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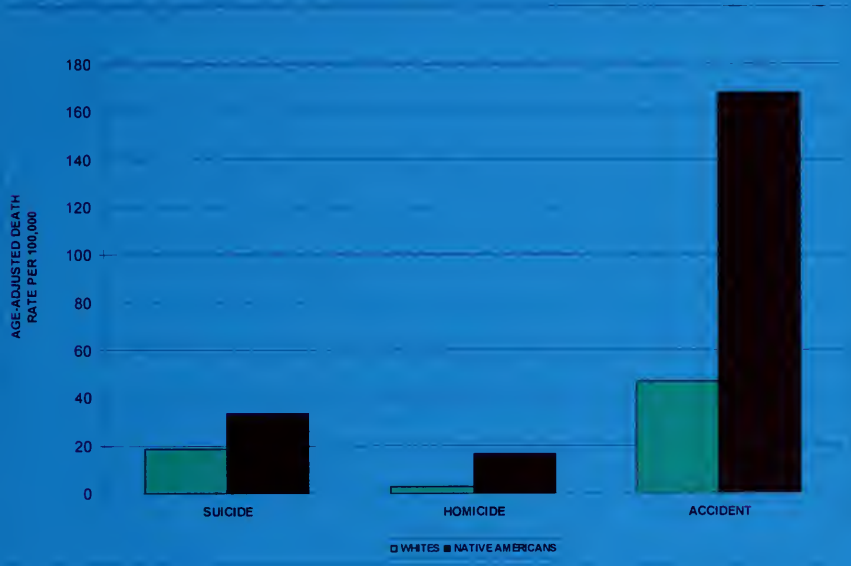
AGE-ADJUSTED DEATH RATES FROM VARIOUS TRAUMATIC CAUSES WHITE AND NATIVE AMERICAN MONTANA RESIDENTS, 1996-2005



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OFFICE OF VITAL STATISTICS

"It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

The Honorable Brian Schweitzer
Governor of Montana

Joan Miles
Director
Montana Department of Public Health and Human Services

December 2006

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INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) of DPHHS, the Montana Communicable Disease Program, also of DPHHS, the Judicial Case Management System (JCMS) of the Montana District Court System, the Census and Economic Information Center of the Montana Department of Commerce, and the National Center for Health Statistics. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. These reports, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml. More detailed tabulations and analyses are available on request, as time and resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 44 through 94. Vital statistics reference tables for 2005 appear on pages 05-1 through 05-82. Where space permits, data for one or more prior years are provided for comparison. A "List of Reference Tables"--starting on page 05-iii, approximately halfway through this publication--describes each of the reference tables by its contents and location. The naming scheme for these tables is described below.

Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics
B	live birth statistics
D	death statistics
F	fetal death statistics
A	induced abortion statistics
M	marriage statistics
C	cancer incidence statistics
R	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage and legally induced abortions. Any other source of data--such as those mentioned above--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births occurring in Montana are registered electronically, as are many of the deaths. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Most birth and death certificates are filed electronically. Original copies of fetal death certificates, reports of induced abortion, marriage, and marital termination, and those few birth and death certificates that are not filed electronically, are forwarded to OVS. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-Current Publication Year)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989- Current Publication Year)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.

- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause and pregnancy at or near the time of death (2003 and forward only)

FETAL MORTALITY (1989- Current Publication Year)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.
- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993- Current Publication Year)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993- Current Publication Year)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989- Current Publication Year)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records, reports, and transcripts for calendar year 2005 received before July 15, 2006. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births and fetal deaths, the place of residence of the child is the usual state and county of residence of the mother.

Residence data for births, deaths, and fetal deaths occurring outside Montana are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table S-8** are by Montana occurrence. The resident abortion statistics in **Table S-8** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	(c) *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with "0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population "estimates." This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated. Population data for census years are known as "enumerations," and refer to the resident population on April 15th of the year indicated. The Census Bureau arrives at enumerations without the use of Vital Records. Both estimates and enumerations are used to derive the population-based mortality and natality rates.

In recent years, OVS has relied on a special series of annual Census Bureau and/or NCHS population estimates stratified by age and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables, as are those classified as multi-racial. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. Another two percent of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

In order to comply with federal guidelines, Montana death records now record multiple races for each decedent. (Similar changes are planned for certificates of live birth and fetal death in the future.) Informants providing information for Montana death records have, for many years, been asked to identify the race of the decedent, but in the past few chose to characterize decedents as bi- or multi-racial. Beginning in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unnamed race. Informants were encouraged to "check one or more races to indicate what the decedent considered himself or herself to be." They were also encouraged to identify any ethnic group or tribal affiliation that applied. This new format for collecting information has resulted in a notable increase in the number of decedents with more than one race reported. OVS examined each of the death records in 2003 for a decedent's affiliation with a known American Indian tribe and classified any record with such an affiliation as Native American (along with any other race identified). Records were then examined for the number of racial groups identified. Any records indicating more than a single race were classified as multi-racial. While the bi-racial or multi-racial category had never constituted more than seven hundredths of a percent of all decedents in any of the twenty preceding years, the multi-racial (two or more) category accounted for nearly nine and four tenths percent of the Montana residents who died in 2003.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This uniformity in definition allows Montana statistics to be compared to U.S., regional, and national statistics.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception, or any time in between". Status is designated "Married" on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can guage the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19 years of age, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or the five-year "rolling" rates displayed in **Figure 16**. However, the OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10, the tenth and latest revision of this system for classification.

The discussion and tables in this report refer to the underlying cause of death, grouped into named diseases and conditions. These are groupings that the World Health Organization (WHO), NCHS, and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as "leading" causes of death. Corresponding ICD-9 codes are shown, as well as preliminary "comparability ratios" computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths classified in the latest version to that classified in the previous version is calculated. Such "comparability ratios" provide estimates of the change attributed to the revision alone and help distinguish "coding changes" from "real changes," (i.e. changes in the underlying forces of mortality in the population). The comparability ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana's death experience in the current data year or that of any other particular geographic location at any other time.

For example, the comparability ratio for "nephritis, nephrotic syndrome, and nephrosis", 1.2320, indicates we might expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will probably be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer's Disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of "Age-specific and age-adjusted death rates" in the Mortality section of the narrative.

Among other notable changes is the elimination of the ICD-9 category "chronic obstructive pulmonary diseases" (COPD), which has been replaced by the ICD-10 category "chronic lower respiratory diseases" (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include "extrinsic allergic alveolitis," i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes "misadventures to patients in surgical or medical care" (ICD-9: 870 - 876), "surgical and medical procedures causing reaction," (ICD-9: 878 - 879), and "drugs causing adverse effects in therapeutic use " (ICD-9: 930 - 949) from the "accidents" category and places them in a new category called "complications of medical and surgical care."

The ICD-9 category "homicide and legal intervention," which was reportable as a leading cause of death, was replaced by "assault" which no longer contains "legal intervention" (ICD-9: 970 - 978) but still contains "homicide" (ICD-9: 960 - 969).

Figures 2, 3, 4, and 5 show ICD-10 code ranges for cause-of-death categories displayed in **Tables D-1, D-2, D-7, and F-1,** respectively. **Table D-1** lists up to 358 causes of death commonly listed by NCHS. **Table D-2** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table D-7** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death. **Table F-1** lists up to 124 causes of fetal death.

Figure 1

CLASSIFICATION CODES (ICD-10 AND ICD-9) AND COMPARABILITY RATIOS FOR SELECTED UNDERLYING CAUSES OF DEATH

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 – N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating In the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, V85 – V86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, V85 - V86	E800 - E807, E826 -E929	1.1134
Intentioal Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.
N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
I Certain infectious and parasitic diseases	**A00-B99**
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiases	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiases	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	**C00-D48**
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	**D50-D89**
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	**E00-E88**
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	**F01-F99**
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	**G00-G98**
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 **VII Diseases of the eye and adnexa**	**H00-H57**
155 **VIII Diseases of the ear and mastoid process**	**H60-H93**
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-I13
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	**J00-J98**
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	**K00-K92**
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	**L00-L98**
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connectivetissue	**M00-M99**
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	**N00-N98**
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	**O00-O99**
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	**P00-P96**
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	**Q00-Q99**
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	**R00-R99**
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	**V01-Y89**
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34,V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99,Y85
Falls	W00-W19
312 Fall on same level	W00-W09,W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Chronic lower respiratory diseases	J40-J47
70 Bronchitis, chronic and unspecified	J40-J42
71 Emphysema	J43
72 Asthma	J45-J46
73 Other chronic lower respiratory diseases	J44, J47
74# Pneumoconioses and chemical effects	J60-J66, J68
75# Pneumonitis due to solids and liquids	J69
76 Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77# Peptic ulcer	K25-K28
78# Diseases of appendix	K35-K38
79# Hernia	K40-K46
# Chronic liver disease and cirrhosis	K70, K73-K74
80 Alcoholic liver disease	K70
81 Other chronic liver disease and cirrhosis	K73-K74
82# Cholelithiasis and other disorders of gallbladder	K80-K82
# Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83 Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
84 Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85 Renal failure	N17-N19
86 Other disorders of kidney	N25, N27
87# Infections of kidney	N10-N12, N13 6, N15,1
88# Hyperplasia of prostate	N40
89# Inflammatory diseases of female pelvic organs	N70-N76
# Pregnancy, childbirth and the puerperium	O00-O99
90 Pregnancy with abortive outcome	O00-O07
91 Other complications of pregnancy, childbirth and the puerperium	O10-O99
92# Certain conditions originating in the perinatal period	P00-P96
93# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95 All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
96 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Oher and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A5I-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83 2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89

Figure 5

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

All causes	
Certain infectious and parasitic diseases	A00-B99
1# Congenital syphilis	A50
2# Human immunodeficiency virus (HIV) disease	B20-B24
3 Other viral diseases	A80-B19,B25-B34
4 Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5# Malignant neoplasms	C00-C97
6# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7# Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	E00-E88
8# Short stature, not elsewhere classified	E343
9# Cystic fibrosis	E84
10 Other endocrine, nutritional and metabolic diseases	E00-E32,E340-E342,E344-E349,E40-E83,E85-E88
11# Meningitis	G00,G03
12 Other diseases of nervous system and sense organs	G04-H93
13# Umbilical hernia	K42
14 Other hernia	K40-K41,K43-K46
15 Other and unspecified diseases of digestive system	K00-K38,K50-K92
16 All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98
Certain conditions originating in the perinatal period	P00-P96
# Fetus affected by maternal conditions that may be unrelated to present pregnancy	P00
17 Fetus affected by maternal hypertensive disorders	P000
18 Fetus affected by maternal renal and urinary tract diseases	P001
19 Fetus affected by maternal infectious and parasitic diseases	P002
20 Fetus affected by other maternal circulatory and respiratory diseases	P003
21 Fetus affected by maternal nutritional disorders	P004
22 Fetus affected by maternal injury	P005
23 Fetus affected by surgical procedure on mother	P006
24 Fetus affected by other medical procedures and maternal conditions	P007-P008
25 Fetus affected by unspecified maternal condition	P009
# Fetus affected by maternal complications of pregnancy	P01
26 Fetus affected by incompetent cervix	P010
27 Fetus affected by premature rupture of membranes	P011
28 Fetus affected by oligohydramnios	P012

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

29 Fetus affected by polyhydramnios	P013
30 Fetus affected by ectopic pregnancy	P014
31 Fetus affected by multiple pregnancy	P015
32 Fetus affected by maternal death	P016
33 Fetus affected by malpresentation before labor	P017
34 Fetus affected by other and unspecified maternal complications of pregnancy	P018-P019
# Fetus affected by complications of placenta, cord and membranes	P02
35 Fetus affected by placenta previa	P020
36 Fetus affected by other forms of placental separation and hemorrhage	P021
37 Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P022
38 Fetus affected by placental transfusion syndromes	P023
39 Fetus affected by prolapsed cord	P024
40 Fetus affected by other compression of umbilical cord	P025
41 Fetus affected by other and unspecified conditions of umbilical cord	P026
42 Fetus affected by chorioamnionitis	P027
43 Fetus affected by other and unspecified abnormalities of membranes	P028-P029
# Fetus affected by other complications of labor and delivery	P03
44 Fetus affected by breech delivery and extraction	P030
45 Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P031
46 Fetus affected by forceps delivery	P032
47 Fetus affected by delivery by vacuum extractor (ventouse)	P033
48 Fetus affected by cesarean delivery	P034
49 Fetus affected by precipitate delivery	P035
50 Fetus affected by abnormal uterine contractions	P036
51 Fetus affected by other and unspecified complications of labor and delivery	P038-P039
52# Fetus affected by noxious influences transmitted via placenta	P04
53# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birth weight, not elsewhere classified	P07

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

54 Extremely low birth weight or extreme immaturity	P070,P072
55 Other low birth weight and preterm	P071,P073
# Disorders related to long gestation and high birth weight	P08
56 Exceptionally large size and other heavy for gestational age fetus	P080-P081
57 Post-term, not heavy for gestational age fetus	P082
# Birth trauma	P10-P15
58 Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59 Other birth trauma	P12-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
60 Intrauterine hypoxia first noted before onset of labor	P200
61 Intrauterine hypoxia first noted during labor and delivery	P201
62 Intrauterine hypoxia, unspecified	P209
63 Birth asphyxia	P21
Other respiratory conditions originating in the perinatal period	P23-P28
64# Congenital pneumonia	P23
65# Aspiration syndromes	P24
66# Interstitial emphysema and related conditions originating in the perinatal period	P25
67# Atelectasis	P280-P281
68 Other respiratory system disorders	P26-P27,P282-P289
Infections specific to the perinatal period	P35-P39
69# Congenital rubella syndrome	P350
70# Congenital cytomegalovirus infection	P351
71# Congenital herpesviral (herpes simplex) infection	P352
72# Congenital viral hepatitis	P353
73# Bacterial sepsis	P36
74# Congenital tuberculosis	P370
75# Congenital toxoplasmosis	P371
76 Other infections specific to the perinatal period	P358-P359,P372-P379,P38-P39
77# Fetal hemorrhage	P50-P54
# Hemolytic disease of fetus	P55-P56
78 Rh isoimmunization of fetus	P550
79 ABO isoimmunization of fetus	P551
80 Other hemolytic disease of fetus	P558-P559
81 Hydrops fetalis due to hemolytic disease	P56
82# Perinatal jaundice	P57-P59
83# Hematological disorders	P60-P61
Transitory endocrine and metabolic disorders specific to fetus	P70-P74

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

84# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P700-P702
85 Other transitory endocrine and metabolic disorders specific to fetus	P703-P709,P71-P74
86# Digestive system disorders of fetus	P76-P78
Other conditions originating in the perinatal period	P80-P96
87# Hydrops fetalis not due to hemolytic disease	P832
88# Fetal death of unspecified cause	P95
89# Withdrawal symptoms from maternal use of drugs of addiction	P961
90# Termination of pregnancy	P964
91# Complications of intrauterine procedures, not elsewhere classified	P965
92 All other specified conditions originating in the perinatal period	P80-P81,P830-P831,P833-P839,P90-P91,P93-P94,P960,P963,P968
93 Condition originating in the perinatal period, unspecified	P969
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Congenital malformations of nervous system	Q00-Q07
94 Anencephaly and similar malformations	Q00
95 Encephalocele	Q01
96 Microcephaly	Q02
97 Congenital hydrocephalus	Q03
98 Reduction deformities of brain	Q040-Q043
99 Other congenital malformations of brain	Q044-Q049
100 Spina bifida	Q05
101 Other congenital malformations of spinal cord and nervous system	Q06-Q07
102 Congenital malformations of eye, ear, face and neck	Q10-Q18
103 Congenital malformations of heart	Q20-Q24
104 Other congenital malformations of circulatory system	Q25-Q28
105 Congenital malformations of lung	Q33
106 Other congenital malformations of respiratory system	Q30-Q32,Q34
107 Congenital malformations of digestive system	Q35-Q45
108 Congenital malformations of genital organs	Q50-Q56
Congenital malformations of urinary system	Q60-Q64
109 Renal agenesis and other reduction defects of kidney	Q60
110 Cystic kidney disease	Q61
111 Other congenital malformations of urinary system	Q62-Q64

Figure 5 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

112 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Other congenital malformations	Q86-Q89
113 Conjoined twins	Q894
114 Multiple congenital malformations, not elsewhere classified	Q897
115 All other congenital malformations	Q86-Q87,Q890-Q893,Q898-Q899
Chromosomal abnormalities, not elsewhere classified	Q90-Q99
116 Down's syndrome	Q90
117 Edward's syndrome	Q910-Q913
118 Patau's syndrome	Q914-Q917
119 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
120 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
External causes of mortality	V01-Y84
121# Accidents	V01-X59
122# Assault (homicide)	X85-Y09
123# Complications of medical and surgical care	Y40-Y84
124 Other external causes	Y10-Y36

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month or day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$Age\text{-}adjusted\ death\ rate = \sum_{i=1}^{11} S_i w_i$$

where S_i = *the age-specific death rate for the* i^{th} *age group*

where w_i = *the weight of the* i^{th} *age group in the standard population*

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ deaths\ within\ the\ age\ group}{Midyear\ population\ of\ the\ age\ group} x\ 1{,}000$$

APGAR SCORE - an evaluation of a newborn infant's physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} x\ 1{,}000$$

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} x\ 1{,}000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15-44} \times 1{,}000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after complete birth-that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Fetal\ mortality\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE RATE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a legal, medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ mortality\ rate = \frac{Number\ of\ infant\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH - a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$Maternal\ mortality\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births}\ x\ 100{,}000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two "middle" values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Out-of-wedlock\ birth\ ratio = \frac{Number\ of\ live\ out-of-wedlock\ births}{Number\ of\ livebirths}\ x\ 1{,}000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75^{th} percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand live births in that population. It is calculated as follows:

$$Perinatal\ mortality\ rate = \frac{Number\ of\ fetal\ deaths + neonatal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how "spread out" a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$Standard\ deviation = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$$

where μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

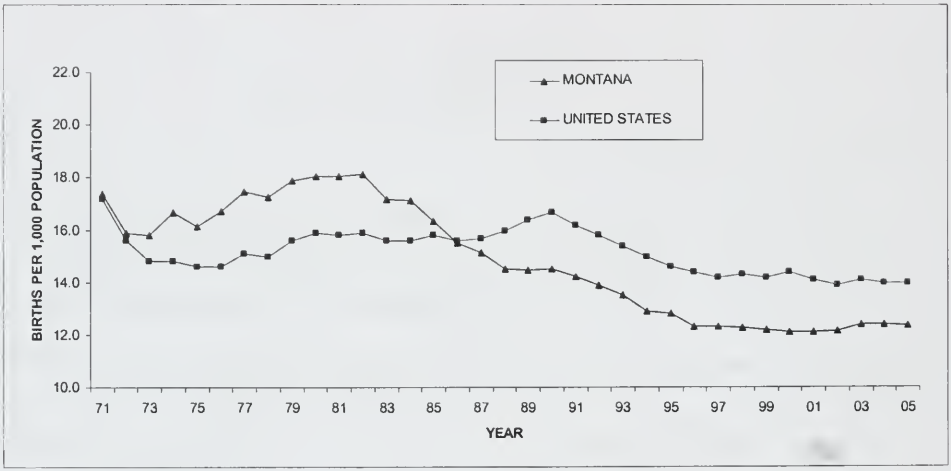
NATALITY

There were 11,573 babies born to Montana residents in 2005. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

For the most part, the Montana birth rate has been in long-term decline since the early 1980s. However, the frequency of births to Montana residents has increased slightly every year since 2000, and the birth rate rose—again, slightly—to 12.4 per 1,000 estimated midyear population in 2005. These have been the first substantial increases since 1982. However, it is probably still too soon to identify this as a lasting change in trend. **Figure 6** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 6

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1971-2005



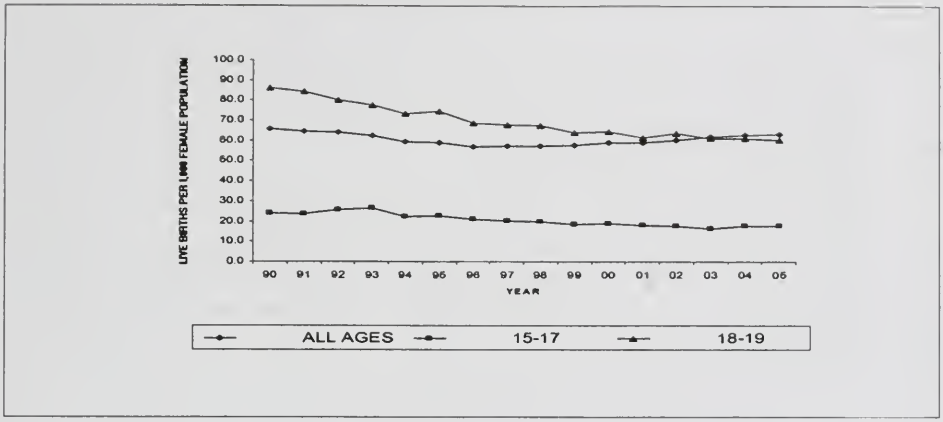
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since then. In 2004, the last year for which national statistics are available, only seven states had lower birth rates than Montana's. None of those states was West of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regard to sex and age of the "at-risk" population. Montana's fertility rate since 1990 is shown in **Figure 7** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 7

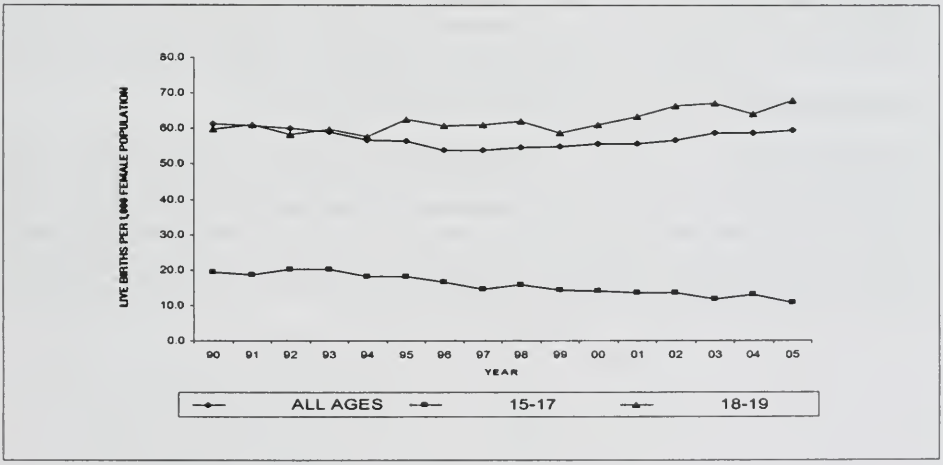
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2005



The rate of fertility among various racial groups can be quite different from those of the population as a whole, as is illustrated by **Figure 7** above, **Figure 8** below, and **Figure 9** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 8

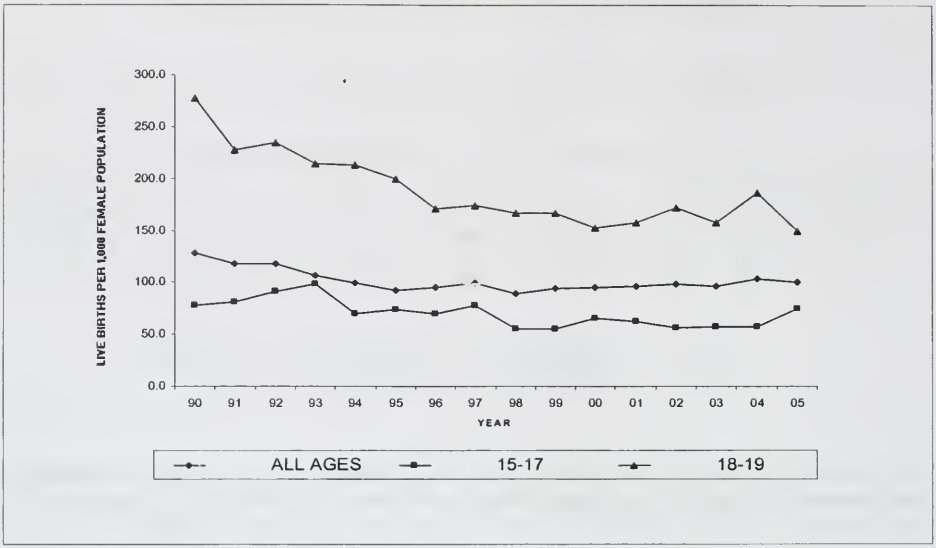
FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2005



In 2005, the fertility rate for Montana's white mothers of any age was 59.5. The rate for white mothers between 15 and 17 was 10.8, and the rate for white mothers between the ages of 18 and 19 was 68.0. Fertility rates for Native Americans were substantially higher in these age groups—100.4, 75.0, and 149.9, respectively.

Figure 9

FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2005



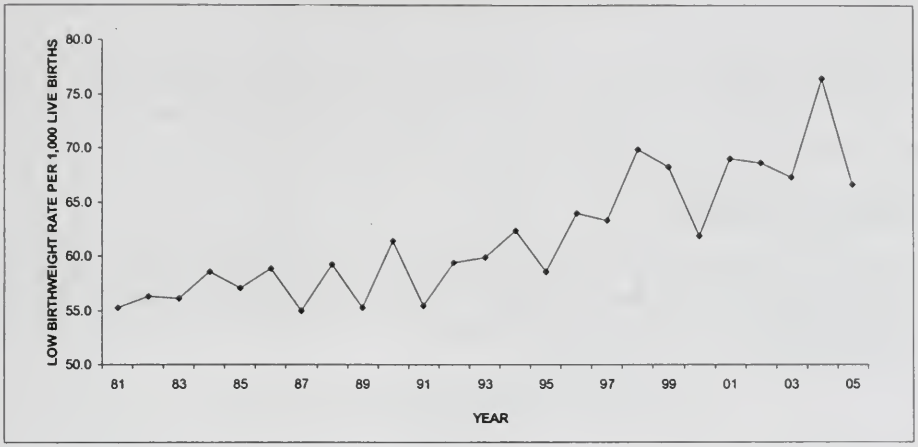
Rates of change for these fertility rates also varied among different groups during this period. While the fertility rates for Native Americans of these age groups were higher than those for whites in 2005, most--with the exception of the 15-17 year old cohort--fell faster during the preceding 15 years than did those for whites. Rates for whites of all ages fell by 3.1%, with a reduction of 44.0% for white teens aged 15-17, and an increase of 13.7% for white teens aged 18-19. Rates for Native Americans of all these age groups fell over this period; the rates for all ages, teens aged 15-17, and those aged 18-19 fell by 21.6% 3.6%, and 46.0%, respectively.

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 10**, on the following page, shows an increasing rate of low birthweight babies born to Montanans. The rate was 55.2 in 1981 and 66.7 in 2005. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this relationship does not seem to be the case (or, at least, is much more complex than a simple correlation) for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 16** show. While the low birthweight rate trends upward, rates of infant and perinatal death are falling for Montana residents.

Figure 10

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1981-2005



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2005 were mostly married white women between the ages of 20 and 35 years. **Table S-8** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 11

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1981-2005

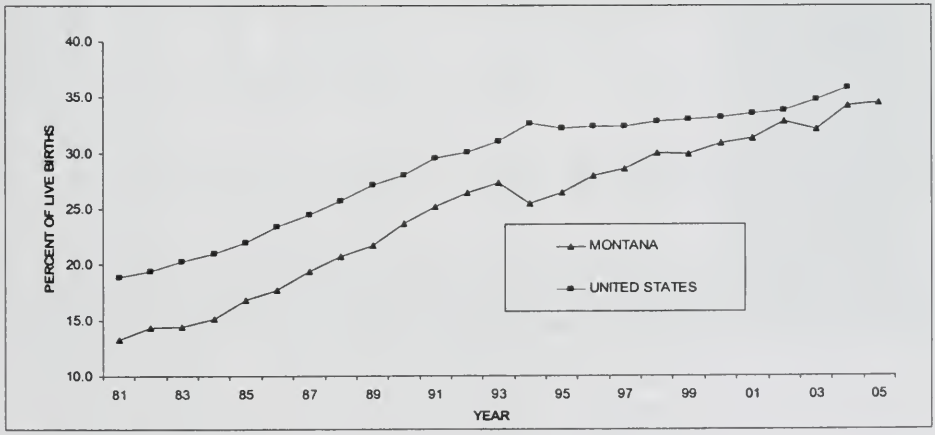


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the years 2000 through 2005. **Table S-7** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2005. **Figure 11**, on the previous page, shows the trend in those births to unmarried women for residents of Montana and the United States since 1981. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 34.5% in 2005.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 35.8% in 2004. The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long–term trend for Montana is increasing and appears to be converging with the national trend over this period.

METHOD OF DELIVERY

About three quarters of the infants delivered in Montana in the years 1996 through 2005 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 12** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 12

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1996-2005

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	110,389	115	3,867	8,710	30,646	30,786	22,903	10,829	2,395	132	6
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VAGINAL	Number	83,515	102	3,294	7,190	24,343	23,397	16,374	7,267	1,466	77	5
	Percent	75.7	88.7	85.2	82.5	79.4	76.0	71.5	67.1	61.2	58.3	83.3
VAGINAL AFTER C-SECTION	Number	2,731	-	4	61	483	838	798	448	96	3	-
	Percent	3	0	0	1	2	3	4	4	4	2	0
PRIMARY C-SECTION	Number	14,556	12	548	1,251	3,905	3,813	2,954	1,598	443	32	-
	Percent	13.2	10.4	14.2	14.4	12.7	12.4	12.9	14.8	18.5	24.2	0.0
REPEAT C-SECTION	Number	9,567	1	19	205	1,911	2,735	2,774	1,514	388	20	-
	Percent	9	1	1	2	6	9	12	14	16	15	0
NOT STATED	Number	20	-	2	3	4	3	3	2	2	-	1
	Percent	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	16.7

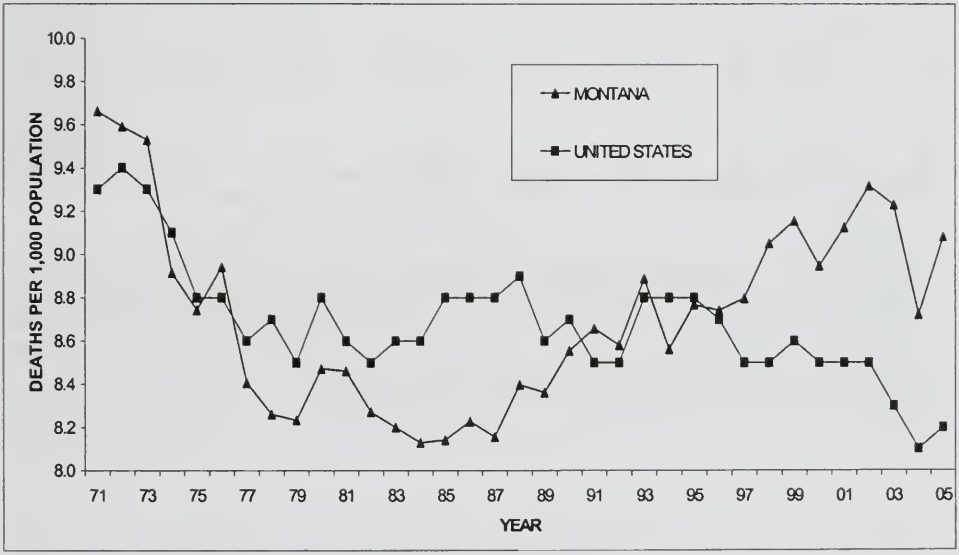
MORTALITY

Montana's crude annual resident mortality rate in 2005 was 9.1 per 1,000 estimated midyear population. There were 8,497 Montana residents who died in that year and their median age was 78 years. Of these people 4,311 (50.7%) were males 4,186 (49.3%) were females. There were 7,383 whites (86.9%), 409 Native Americans (4.8%), and 665 decedents belonging to two or more races (7.8%). Fourteen decedents were of unknown race (about 0.2%).

Figure 13 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1971 through 2005. Montana's annual rate followed the national trend fairly closely throughout most of this period. However, there were notable differences, particularly in the 1980s and since the late nineties. Montana's rate displayed no consistent trend from 1971 to 1973, averaging about 9.6 deaths per 1,000 population. Montana and U.S. rates dropped precipitously beginning in the early 1970s. Montana's rate, for the most part, has been rising since the mid-1980s.

Figure 13

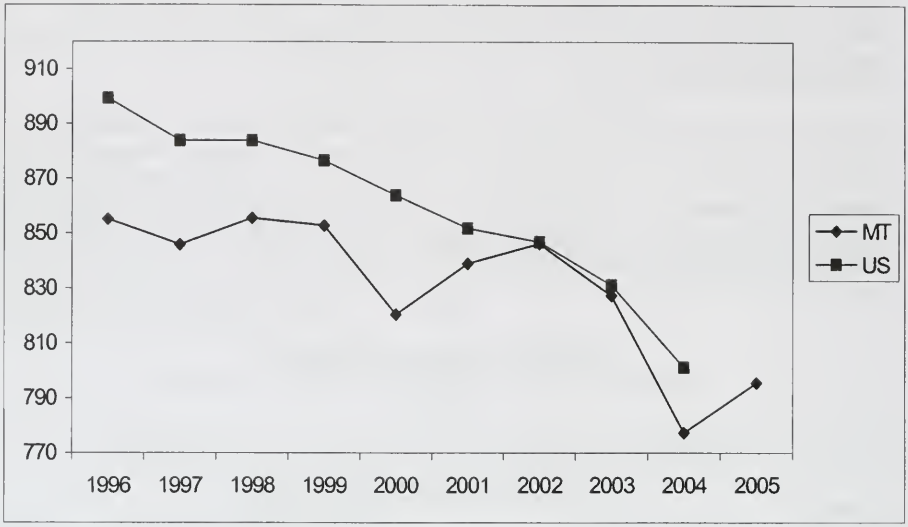
RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1971 – 2005



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and also see the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 14

**AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1996-2005****



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2004 is preliminary and the rate for 2005 is not yet available.

Figure 14 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been generally increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for all but one of the years profiled, averaging about 97.2% of the national rate.

Figure 15 summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1996 to 2005.

Figure 15

AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1996–2005

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	81,277	0	65	78	86	112	73.2	18.6
MALE	41,596	0	61	75	83	109	69.8	19.0
FEMALE	39,680	0	70	81	88	112	76.8	17.3
WHITE								
TOTAL**	75,027	0	67	78	86	112	74.1	17.8
MALE	38,194	0	63	75	83	109	70.8	18.3
FEMALE	36,832	0	71	82	89	112	77.6	16.6
NATIVE AMERICAN								
TOTAL	3,821	0	43	61	74	104	56.6	23.2
MALE	2,158	0	38	57	71	102	53.4	23.1
FEMALE	1,663	0	48	65	78	104	60.8	22.6
OTHER RACES								
TOTAL	2,429	0	62	78	86	106	71.7	20.7
MALE	1,244	0	57	74	84	102	67.9	21.3
FEMALE	1,185	0	69	81	88	106	75.7	19.2

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.
** Sex was unknown for one white decedent.

Whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 43 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.2) compared to whites (17.8); thus, a larger proportion of Native Americans died at younger-than-average or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 82 years, compared to 75 years for white men. The median age for Native American women was 65 years, compared to 57 years for Native American men.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-1 of the Vital Statistics reference tables shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1949 and yearly from 1950 through 2005 for deaths of Montana residents (regardless of place of occurrence).

Figure 16

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS MONTANA RESIDENTS, 1981 – 2005

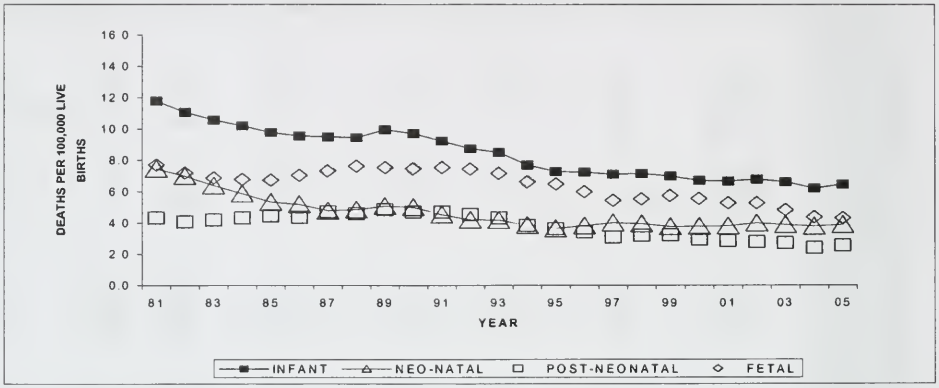


Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1981 through 2005. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births, decreased from 11.8 in 1981 to 6.5 in 2005, approximately 45.1%. The five-year death rate for infants dying in the neonatal period, the first 27 days of life, decreased by nearly half (47.8%) during this period, declining from 7.5 per 1,000 live births in 1981 to 3.9 in 2005. The rate for post-neonatal infants (infants 28 days and older) declined by about two-fifths(40.6%), falling from 4.3 to 2.6 per 1,000 live births. The five-year fetal mortality ratio also declined by a little more than two-fifths (44.0%), falling from 7.7 deaths per 1,000 live births in 1981 to 4.3 in 2005.

There were 54 resident fetal deaths and 81 resident infant deaths in Montana in 2005. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana County of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (See **Figure 2** in the introduction for a complete listing of all 358 potential causes that could appear in **Table D-1**. See **Figure 4** for a complete list of the 130 potential causes that could appear in **Table D-7**.) Sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies caused more than three-quarters (75.3%) of all infant deaths in 2005.

Table F-1 shows the frequency of fetal deaths by race, sex, gestational age, and selected cause of fetal death. (See **Figure 5** for a complete list of the 124 potential causes that could appear in **Table F-1**.) **Table S-4** shows the frequency of fetal, infant, and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions and contained different individuals, they can be considered different populations.)

In the past, the resident population of Montana (and of the Nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to "adjust" for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rates for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

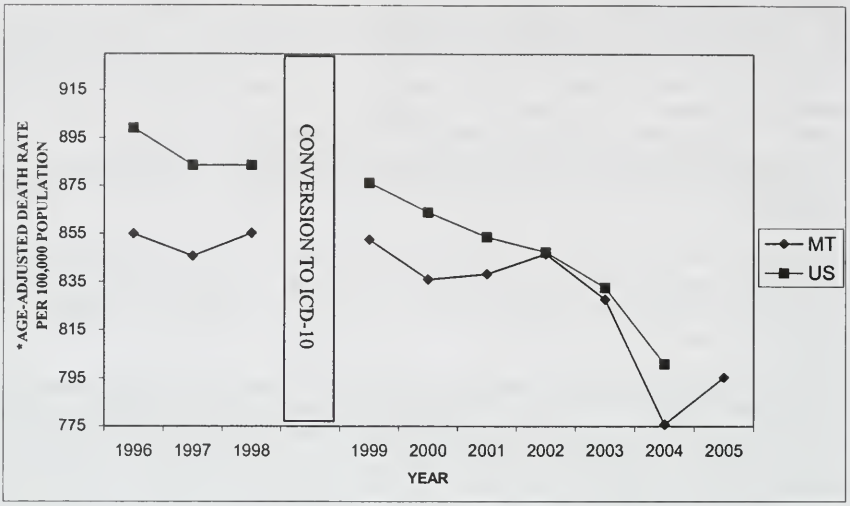
Figures 17 through 46 display age-adjusted and age specific death rates for several of the leading causes of death in Montana and/or the United States. The age-adjusted rates are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying causes of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 17

AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 18

AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1996-2005

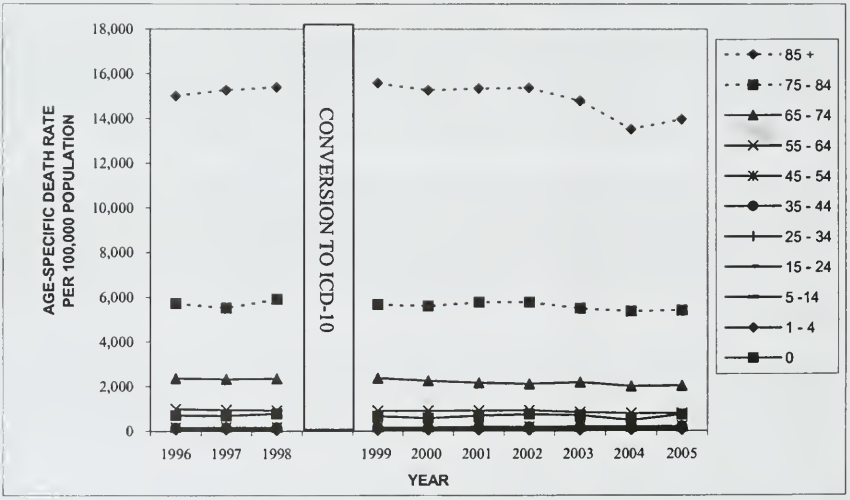
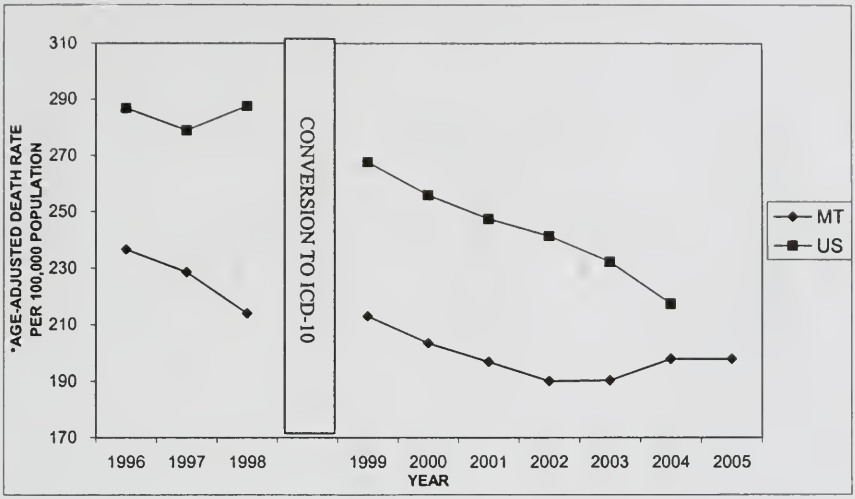


Figure 19

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-151
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 20

AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-151
MONTANA RESIDENTS, 1996-2005

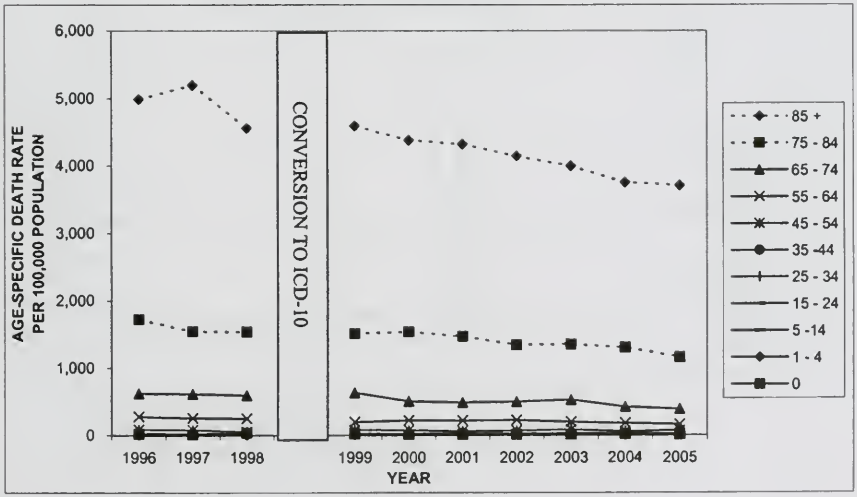
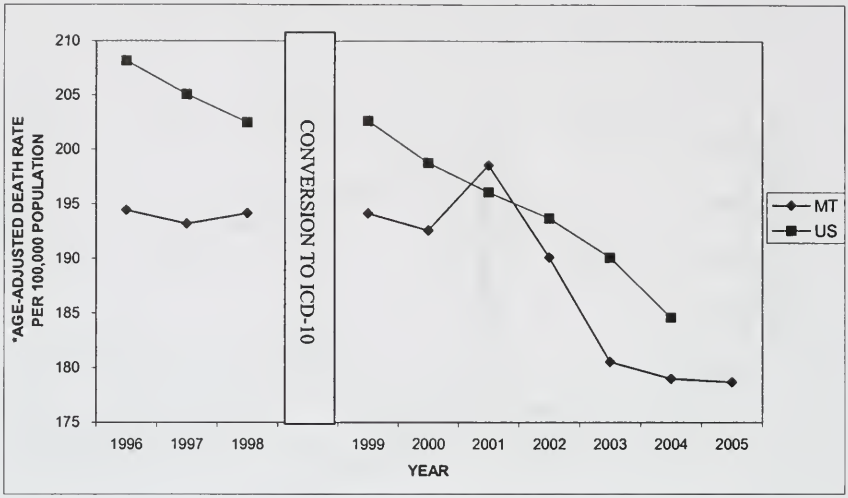


Figure 21

AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 22

AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1996-2005

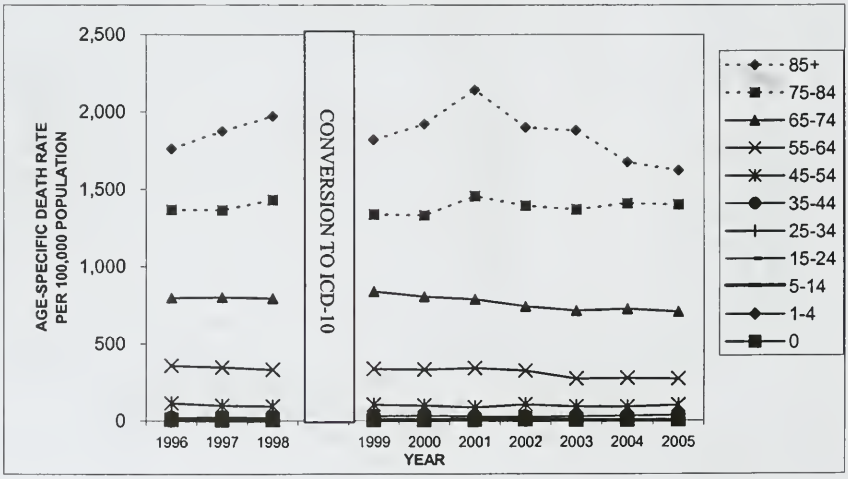
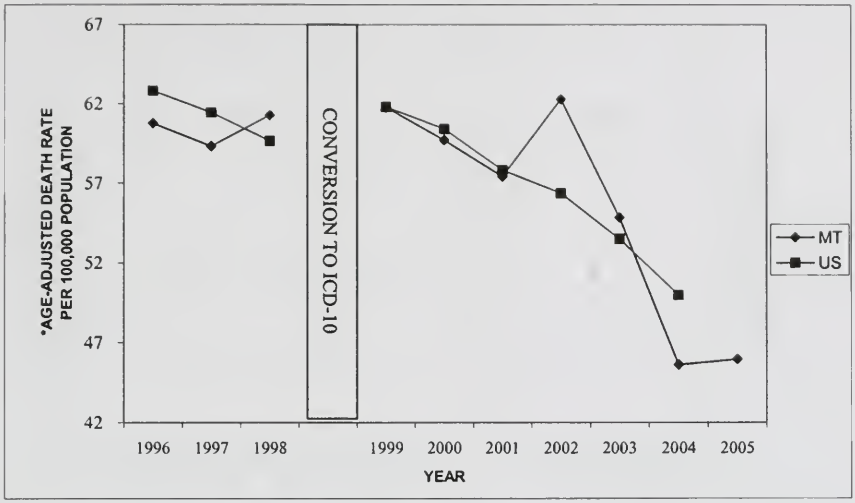


Figure 23

AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 24

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA RESIDENTS, 1996-2005

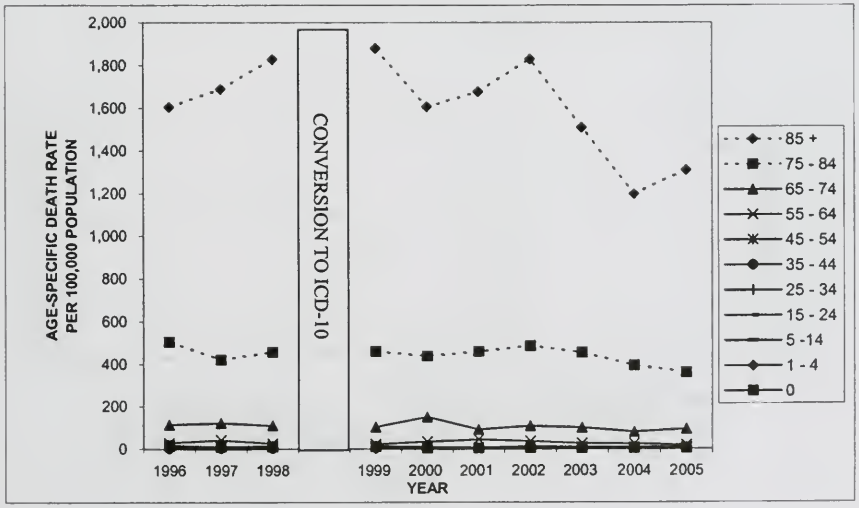
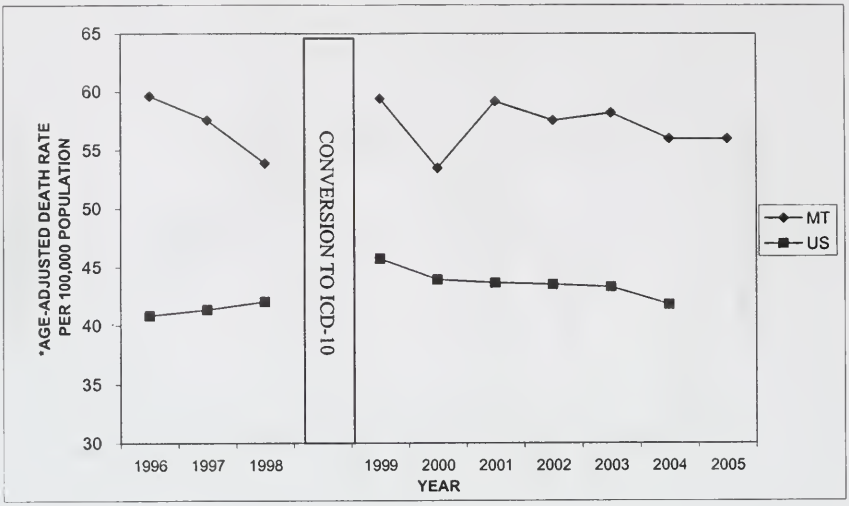


Figure 25

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 26

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS N, 1996-2005

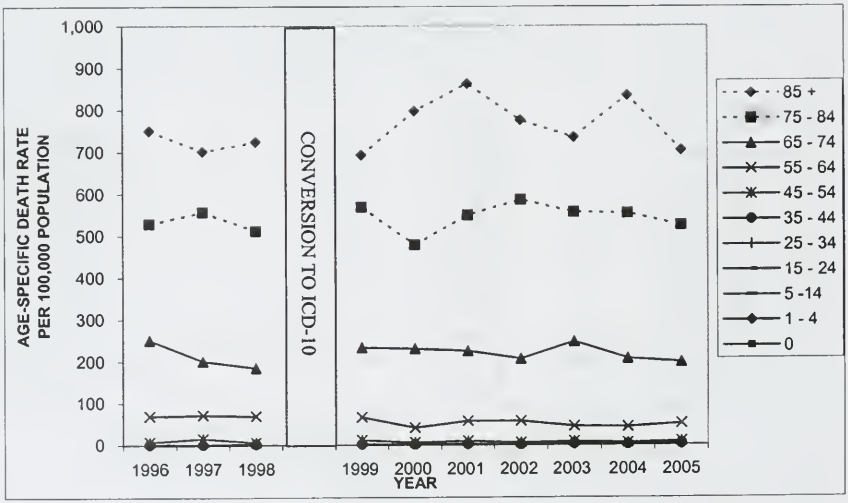
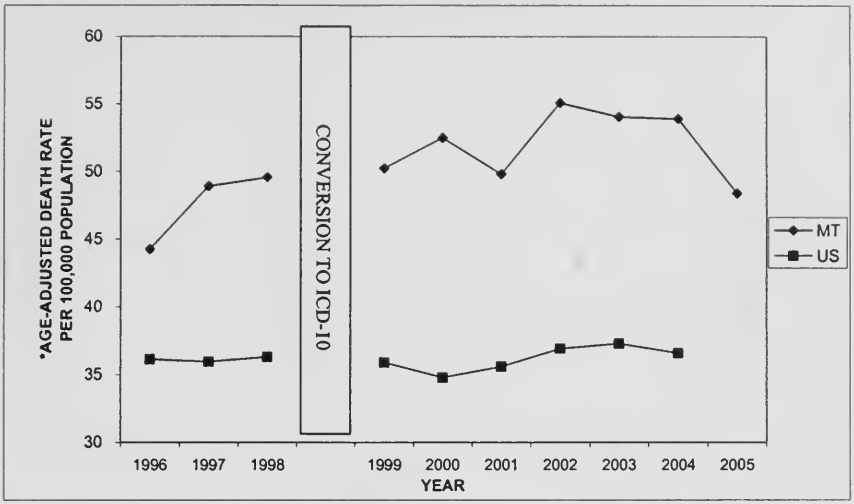


Figure 27

AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 28

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1996-2005

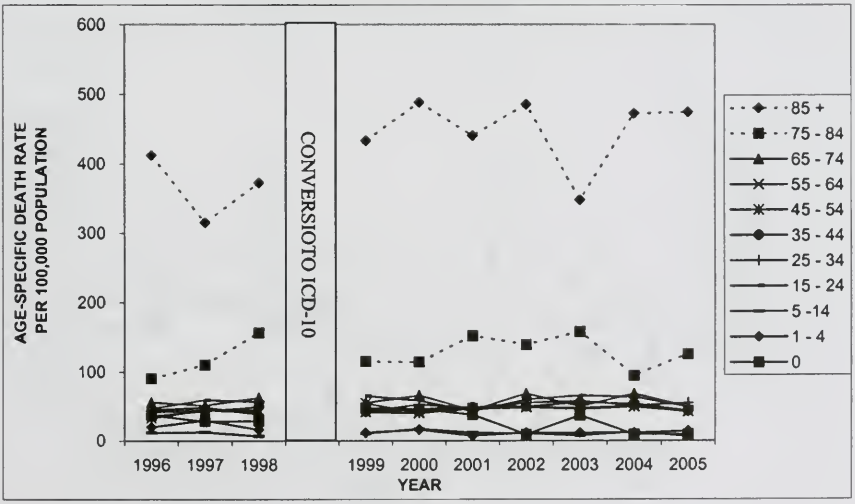
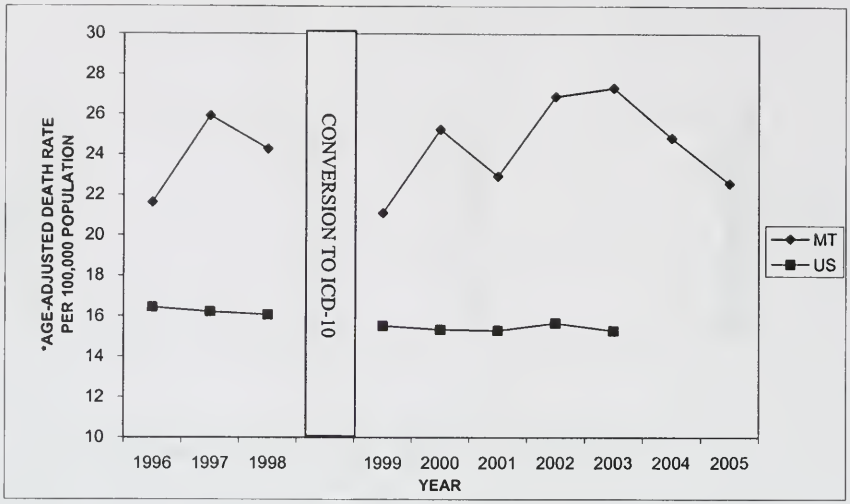


Figure 29

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 30

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1996-2005

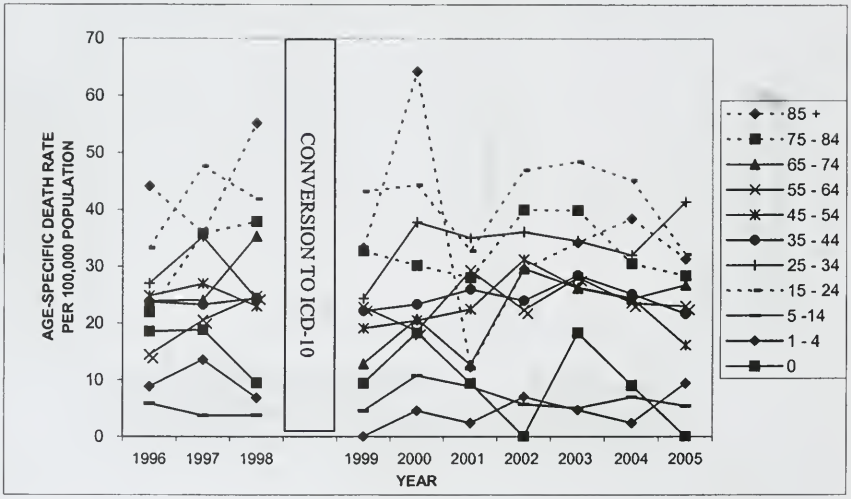
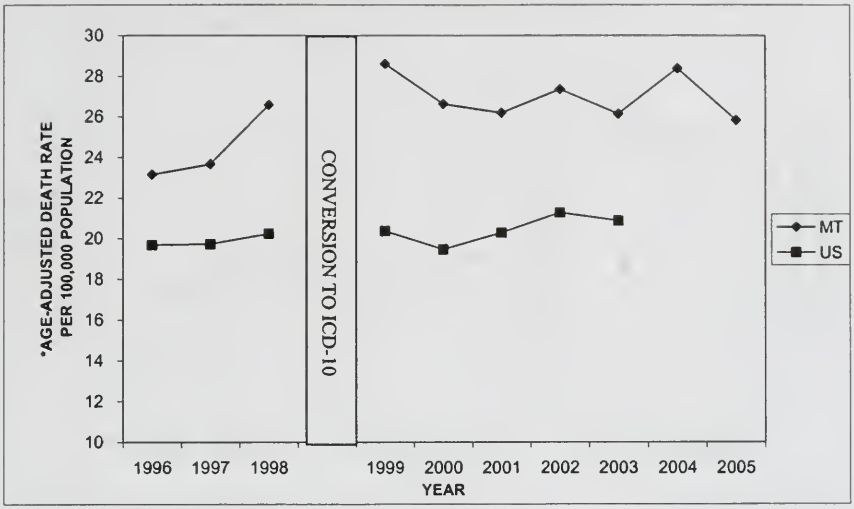


Figure 31

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population
** The U.S. rates for 2004 are preliminary and 2005 are not yet available

Figure 32

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1996-2005

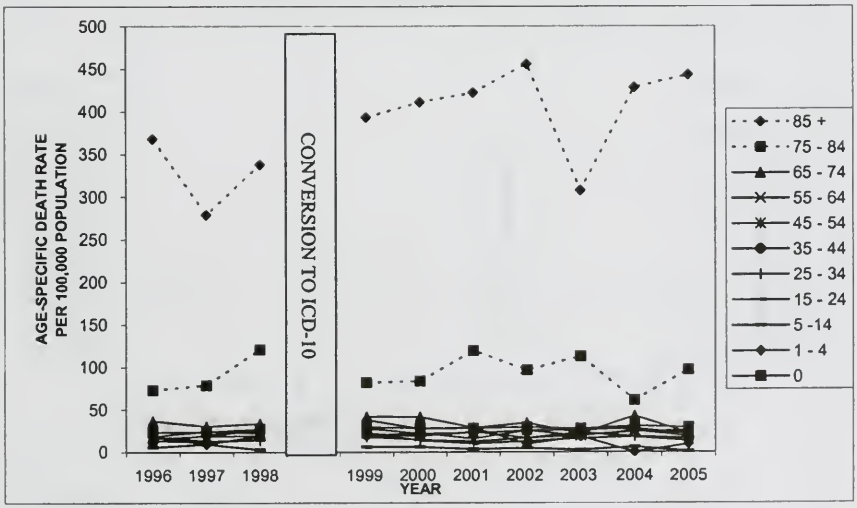
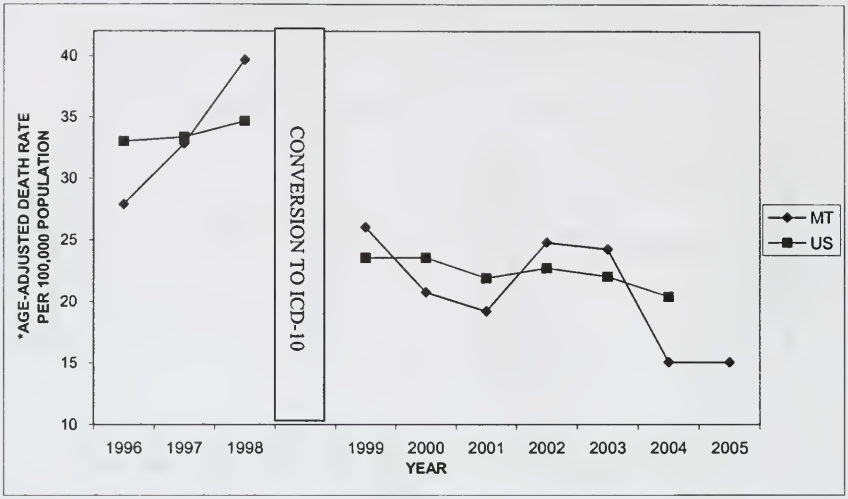


Figure 33

AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 34

AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1996-2005

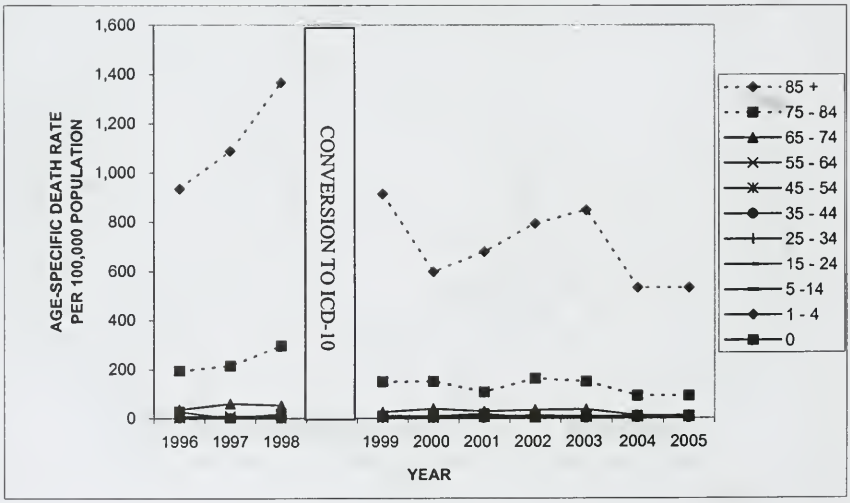
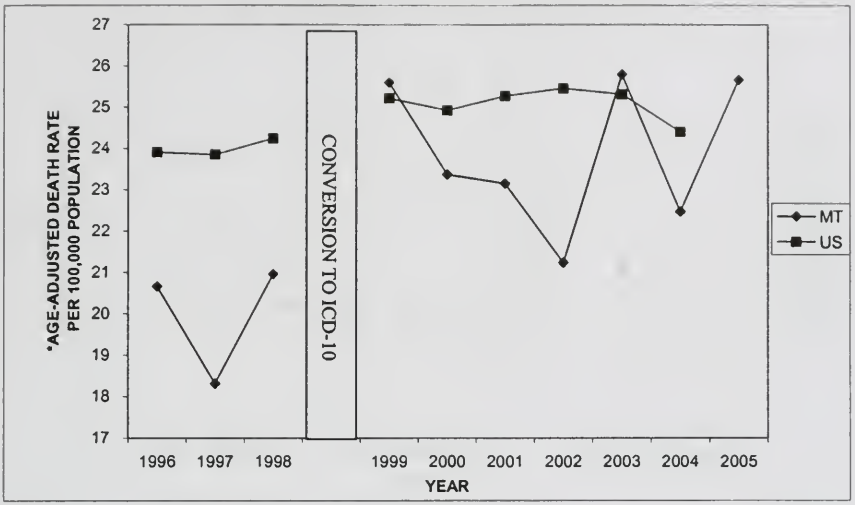


Figure 35

AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 36

AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1996-2005

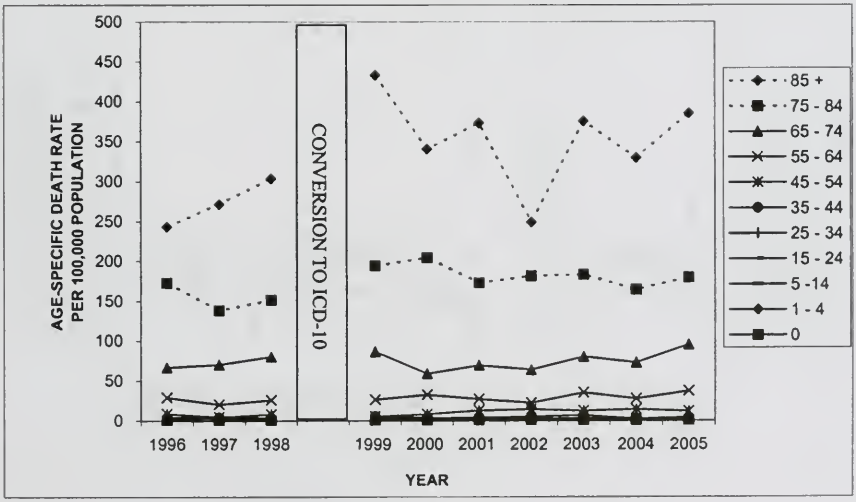
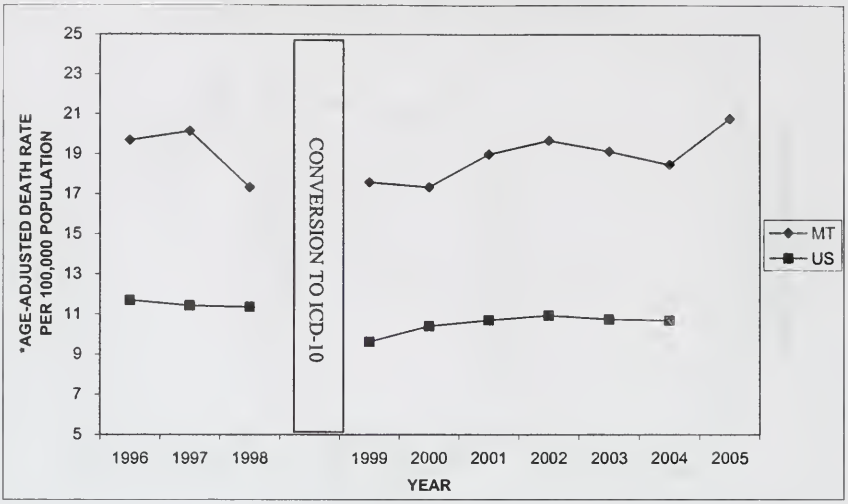


Figure 37

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 38

AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1996-2005

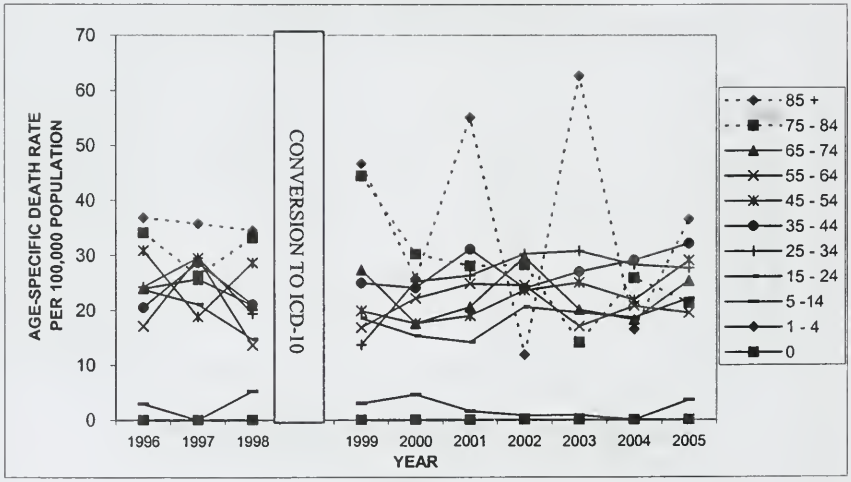
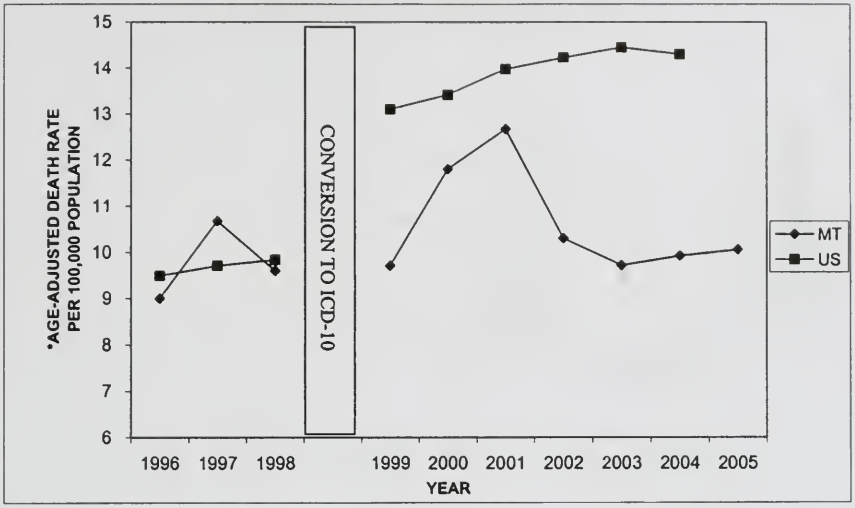


Figure 39

AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 40

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1996-2005

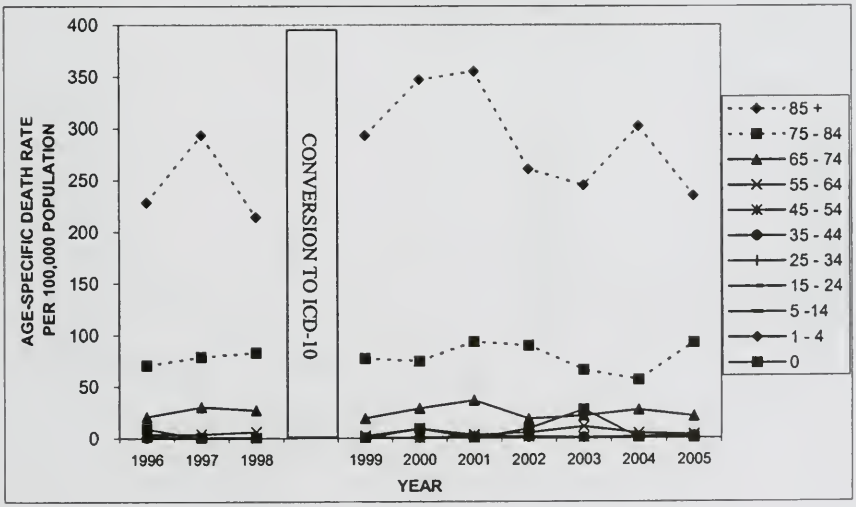
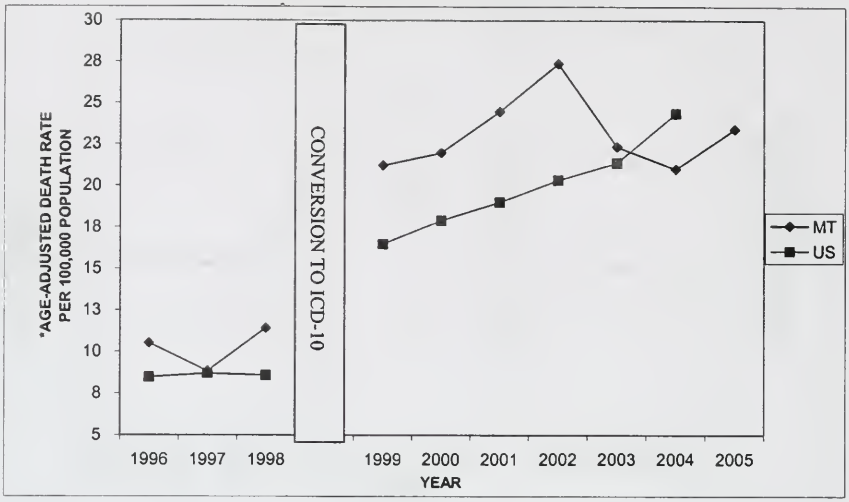


Figure 41

AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S. RESIDENTS, 1996-2005**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 42

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1996-2005

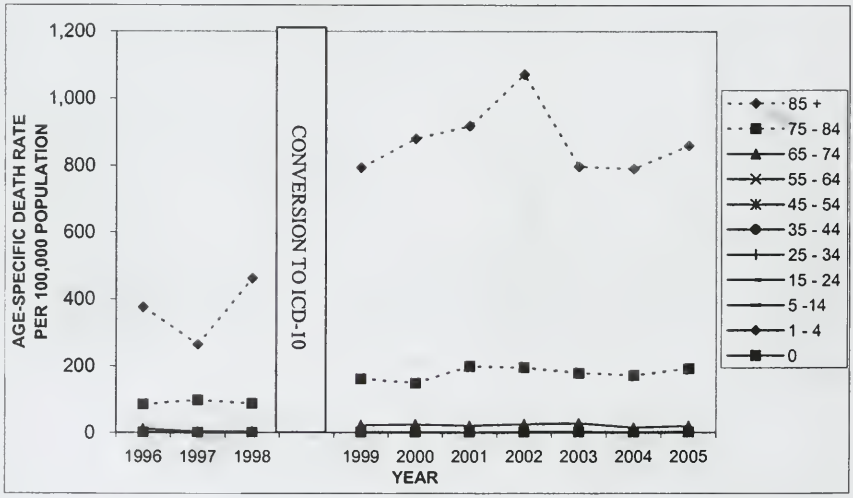
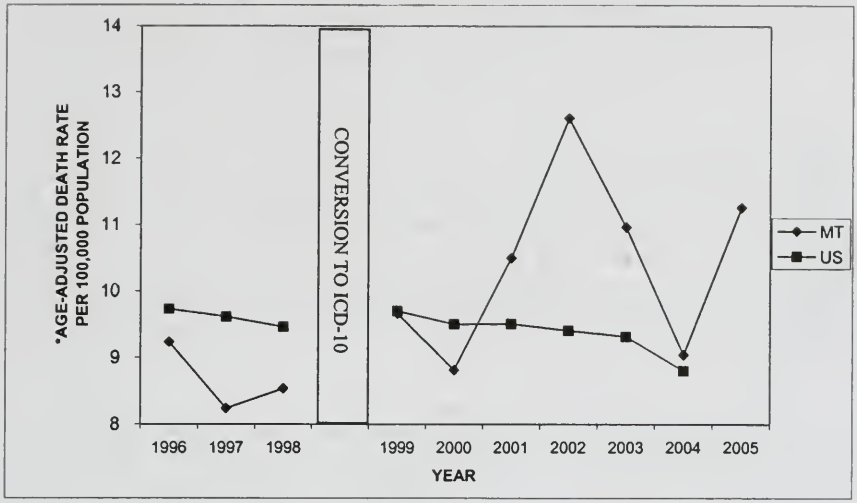


Figure 43

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are preliminary and 2005 are not yet available.

Figure 44

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1996-2005

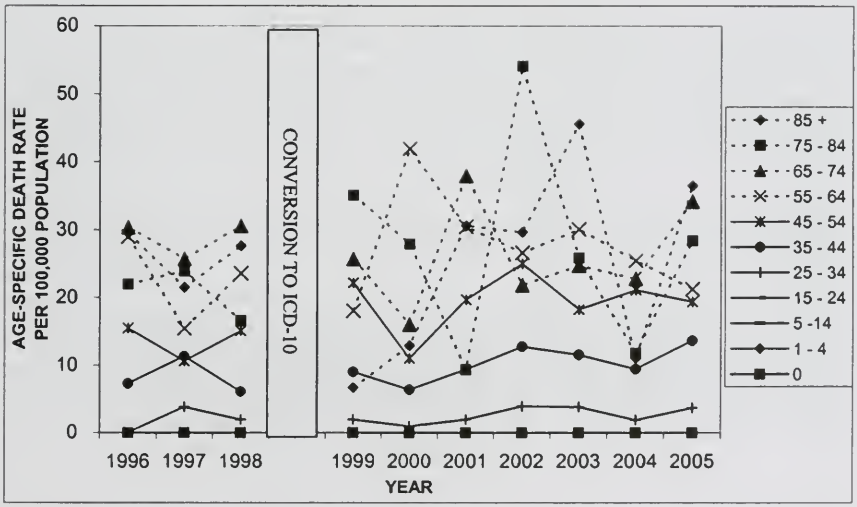
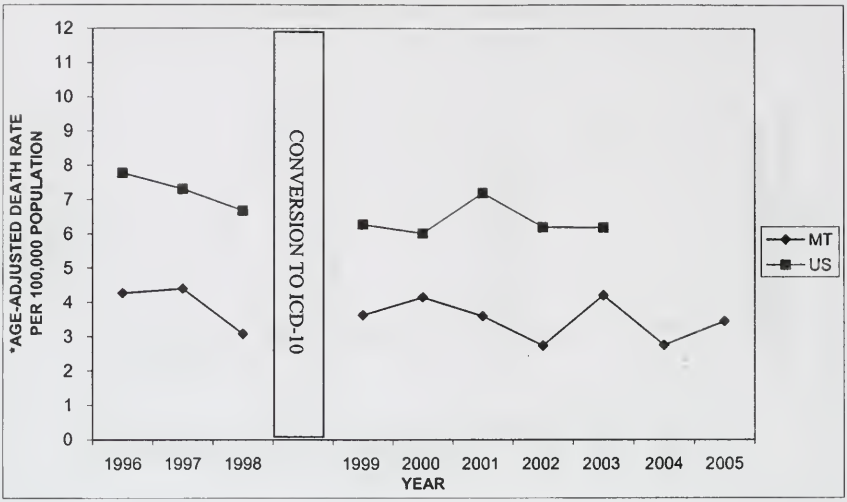


Figure 45

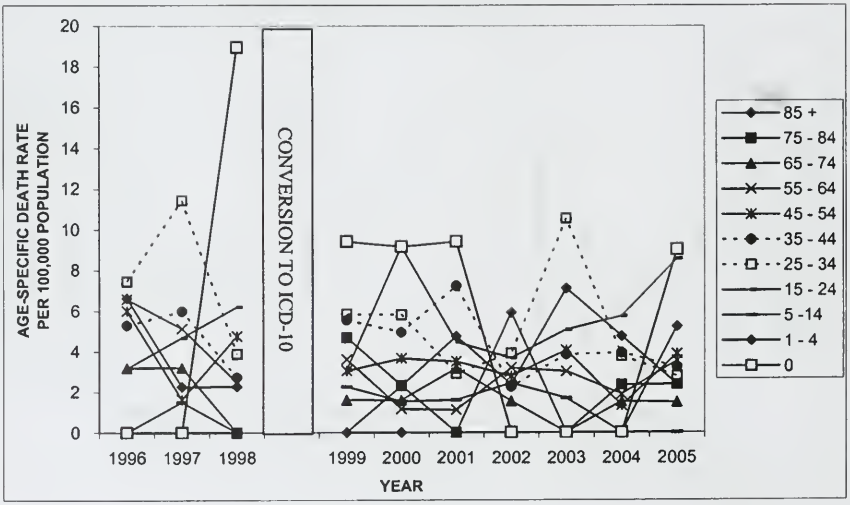
AGE-ADJUSTED DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA AND U.S.** RESIDENTS, 1996-2005



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2004 are final and 2004 & 2005 are not yet available.

Figure 46

AGE-SPECIFIC DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA RESIDENTS, 1996-2005



In all years displayed, Montana's overall (i.e. all cause) age-adjusted death rates are below or about equal to those for the U.S. and have declined over time. Montana's age-adjusted death rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, and nephritis (nephritis, nephrotic syndrome, and nephrosis) were lower than those for the U.S in eight or nine of the years for which both Montana and U.S. values are displayed. Montana's rates for chronic liver disease and cirrhosis were lower than U.S. rates in all of the ICD-9 years but about the same or higher in most of the ICD-10 years.

Montana's death rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Diabetes rates for Montana were higher than those for the U.S. in none of the three years in which underlying cause of death was determined with the rules of ICD-9 and two times thereafter. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10. The Montana diabetes rate appears as unstable before and after the conversion, but this may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD. Montana's death rates for cerebrovascular disease were higher than those of the U.S. for one of the three years in which ICD-9 coding rules were used and two of the ICD-10 years.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's death rate from Alzheimer's disease was virtually the same as that of the U.S. in 1997, but higher in most of the other years displayed. Revision of ICD substantially increased Alzheimer's rates for both Montana and U.S.

Montana's rates for one traumatic cause of death—homicide and legal intervention—were lower than the corresponding U.S. rates in all years displayed. Montana's rates for the remaining traumatic causes of death—accident (both motor vehicle and non-motor- vehicle) and suicide rates—were higher than those for the nation in all years displayed, irrespective of the ICD coding rules. None of the death rates for these traumatic causes appear to have been affected greatly by ICD revision.

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, and cerebrovascular disease. There seems to be a decrease in pneumonia and influenza rates, but it is not nearly so pronounced. The rates for Alzheimer's, chronic liver disease and cirrhosis, and nephritis are on the increase, although the trends are somewhat unstable and, in some cases, possibly affected by the conversion of ICD coding.

The rates for C.L.R.D., diabetes, and suicide are apparently neither increasing nor decreasing consistently. While U.S. death rates for accidents seem stable, Montana's seem to be slightly increasing.

For both Montana and the U.S., age-adjusted death rates for nephritis and Alzheimer's increased after the introduction of ICD-10, suggesting that, to some degree, the increase reflects conversion to the new revision of ICD. The rate for pneumonia and influenza decreased after the conversion to ICD-10. These results are consistent with the comparability ratios for these causes discussed earlier. (See **Figure 1** in the Technical Overview.)

AGE, SEX, AND RACE

Cause of death varies with the age, sex, and race of the decedent. Males were more likely than females to die of many of the leading causes of death listed in **Table S-7** found in Vital Statistics reference tables. More males than females also died of chronic lower respiratory diseases and chronic liver disease and cirrhosis. The larger difference between males and females, however, was seen in deaths from traumatic causes. About 65% of the accidental deaths were males (see **Figure 47**). Three times as many males as females died of homicide. Finally, more than four times as many males as females committed suicide. In contrast, much more nearly equal numbers (and proportions) of males and females died of heart disease and cancer.

It is also instructive that slightly more than 17% of the Native Americans who died in 2005 died of one of the traumatic causes—suicide, homicide, or accident—while only 8.4% of whites were claimed by these causes.

Accidents were more likely to cause the deaths of the young than the old. They accounted for 12.5% of the accidental deaths of those 14 years of age or younger, 51.0% of the deaths of those between the ages of 15 and 24, and 42.6% of those between the ages of 25 and 34 years. By contrast, accidents accounted for 6.1% of the deaths for the entire population (i.e. the "all-age" group).

Suicide was the cause of death for 18.3% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.4% of decedents of all ages. Of the suicide victims, 82.0% were males.

As age at death increases, chronic diseases—particularly heart disease and cancer—become more likely as the cause of death. Cancer, followed by heart disease, was the leading cause of death for the age categories between 45 and 84 years. However, for the age categories 85 and older, heart disease was the leading cause, with cancer second. For the all-age category, cancer (22.9%) was the leading cause of death, followed closely by heart disease (21.7%). Frequencies and the percent distributions of deaths by cause for all ages are shown in the last pie graph of **Figure 49** (p. 76).

Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each of its counties in Vital Statistics reference tables **Table S-6**.

Figure 47 displays frequencies of death for Montanans in 2005 by race, sex, and selected major cause of death.

Figure 47

FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2005

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
All Causes	4,311	4,186	3,767	3,616	200	209
Cancer	1,020	927	910	815	38	41
Heart Disease	989	853	873	757	39	27
Chronic Lower Respiratory Diseases	291	289	259	256	6	10
Accidents	335	182	278	143	27	22
Cerebrovascular Disease	207	314	185	259	4	15
Diabetes Mellitus	136	147	114	117	12	12
Alzheimer's Disease	75	192	64	169	1	1
Suicide	168	37	145	30	8	5
Pneumonia & Influenza	99	113	90	103	3	3
Nephritis, Nephrotic Syndrome, and Nephrosis	56	53	53	46	0	3
Chronc Liver Disease and Cirrhosis	71	49	52	27	14	17
Homicide	23	9	15	6	6	2
All Other Causes	841	1,021	729	888	42	51

As mentioned in the Technical Overview of this report, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. This different manner of counting deaths by race could very possibly alter the outcome of mortality ratios calculated for the various races and affect apparent racial disparities. **Figure 48** displays the distribution of decedents by race for the last decade, by year of death.

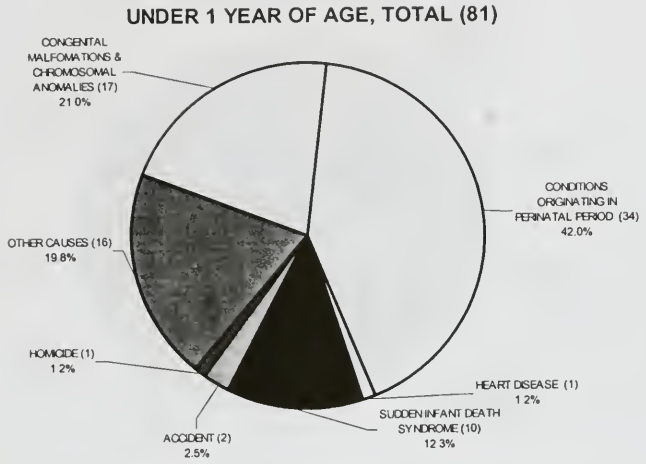
Figure 48

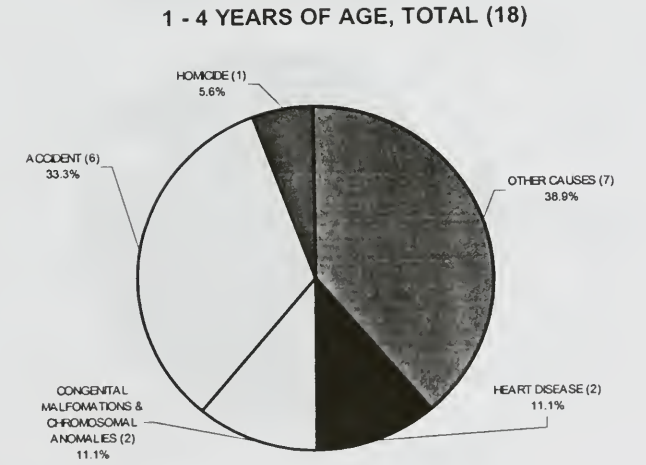
FREQUENCY AND PERCENT DISTRIBUTION OF DEATH BY RACE
MONTANA RESIDENTS, 1996-2005

RACE	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
ALL RACES	7,686	7,730	7,960	8,082	8,071	8,252	8,473	8,445	8,083	8,497
WHITE	7,340	7,374	7,590	7,618	7,668	7,839	8,003	7,207	7,006	7,383
Percent	95.5	95.4	95.4	94.3	95	95	94.5	85.3	86.7	86.9
NATIVE AMERICAN	316	333	345	429	366	385	433	402	403	409
Percent	4.1	4.3	4.3	5.3	4.5	4.7	5.1	4.8	5	4.8
OTHER SINGLE RACE	3	1	4	3	1	3	2	4	14	14
Percent	0	0	0.1	0	0	0	0	0	0.2	0.2
MULTI-RACE	0	1	1	0	0	0	1	791	633	665
Percent	0	0	0	0	0	0	0	9.4	7.8	7.8
UNKNOWN	27	21	20	32	36	25	34	41	27	26
Percent	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.5	0.3	0.3

Figure 49

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005


UNDER 1 YEAR OF AGE, TOTAL (81)
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (17) 21.0%
CONDITIONS ORIGINATING IN PERINATAL PERIOD (34) 42.0%
OTHER CAUSES (16) 19.8%
HOMICIDE (1) 1.2%
HEART DISEASE (1) 1.2%
SUDDEN INFANT DEATH SYNDROME (10) 12.3%
ACCIDENT (2) 2.5%

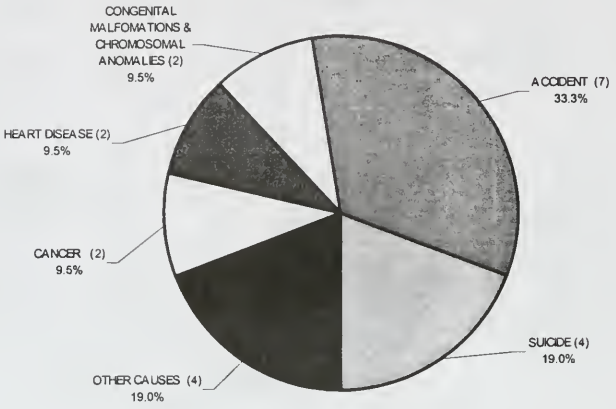

1 - 4 YEARS OF AGE, TOTAL (18)
HOMICIDE (1) 5.6%
ACCIDENT (6) 33.3%
OTHER CAUSES (7) 38.9%
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (2) 11.1%
HEART DISEASE (2) 11.1%

* Percentages may not add to 100 because of rounding.

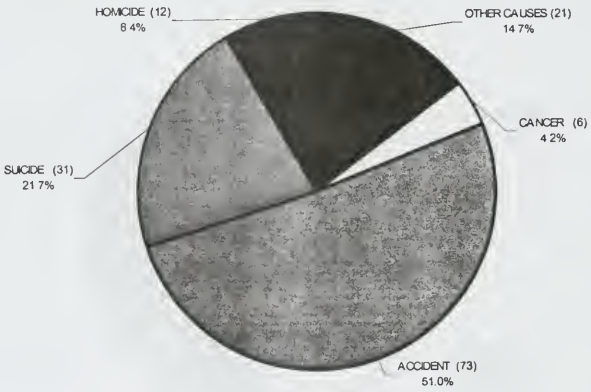
Figure 49 (Continued)

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005

5-14 YEARS OF AGE, TOTAL (21)


CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (2) 9.5%
ACCIDENT (7) 33.3%
HEART DISEASE (2) 9.5%
CANCER (2) 9.5%
SUICIDE (4) 19.0%
OTHER CAUSES (4) 19.0%

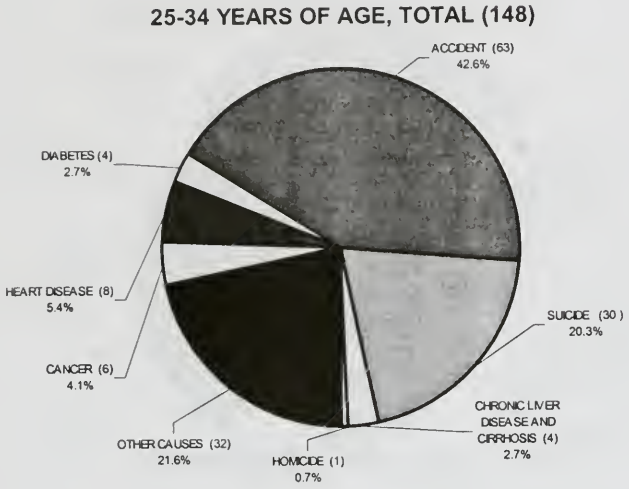
15-24 YEARS OF AGE, TOTAL (143)

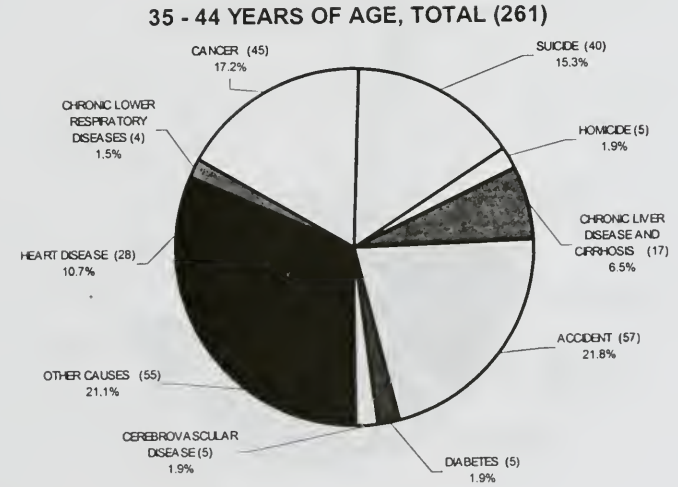


* Percentages may not add to 100 because of rounding.

Figure 49 (Continued)

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005



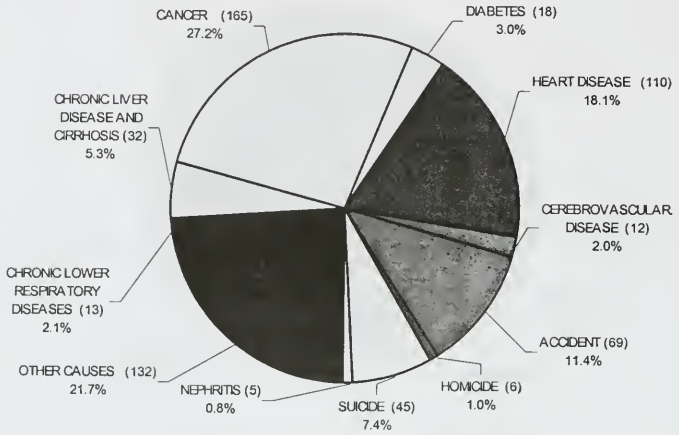


* Percentages may not add to 100 because of rounding.

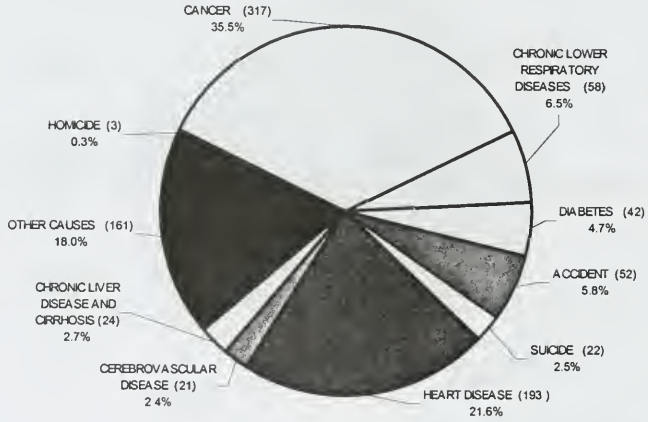
Figure 49 (Continued)

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005

45 - 54 YEARS OF AGE, TOTAL (607)



55 - 64 YEARS OF AGE,TOTAL (893)

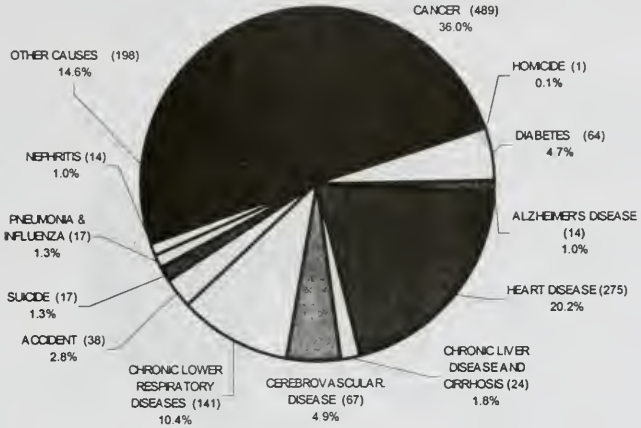


* Percentages may not add to 100 because of rounding.

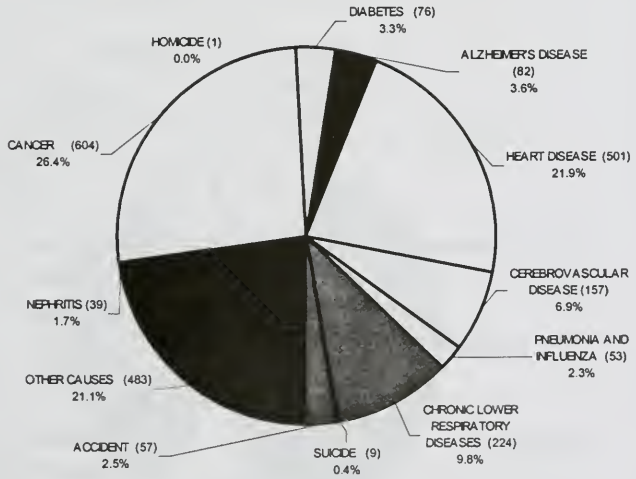
Figure 49 (Continued)

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005

65 - 74 YEARS OF AGE, TOTAL (1,359)



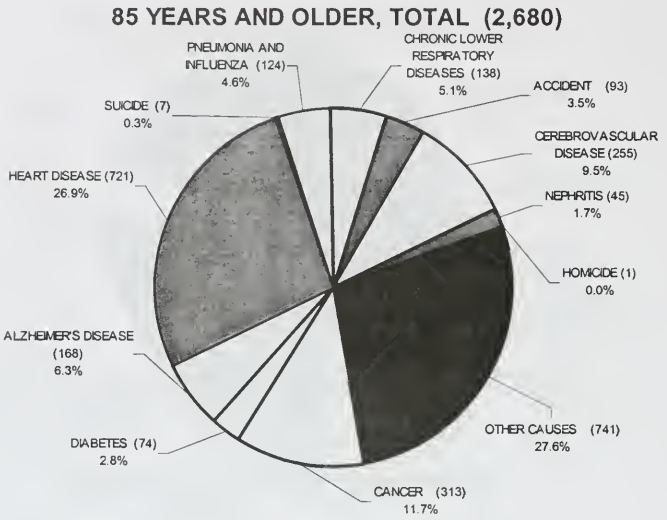
75 - 84 YEARS OF AGE, TOTAL (2,286)

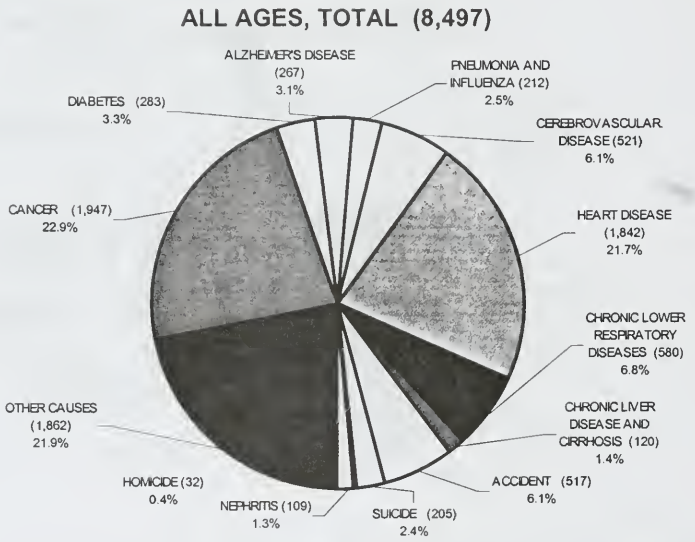


* Percentages may not add to 100 because of rounding.

Figure 49 (Concluded)

FREQUENCY AND PERCENTAGE DISTRIBUTION* OF LEADING CAUSES OF DEATH BY AGE GROUP MONTANA RESIDENTS, 2005




ALL AGES, TOTAL (8,497)
ALZHEIMER'S DISEASE (267) 3.1%
PNEUMONIA AND INFLUENZA (212) 2.5%
DIABETES (283) 3.3%
CEREBROVASCULAR DISEASE (521) 6.1%
CANCER (1,947) 22.9%
HEART DISEASE (1,842) 21.7%
CHRONIC LOWER RESPIRATORY DISEASES (580) 6.8%
OTHER CAUSES (1,862) 21.9%
CHRONIC LIVER DISEASE AND CIRRHOSIS (120) 1.4%
HOMICIDE (32) 0.4%
ACCIDENT (517) 6.1%
NEPHRITIS (109) 1.3%
SUICIDE (205) 2.4%

* Percentages may not add to 100 because of rounding.

YEARS OF POTENTIAL LIFE LOST

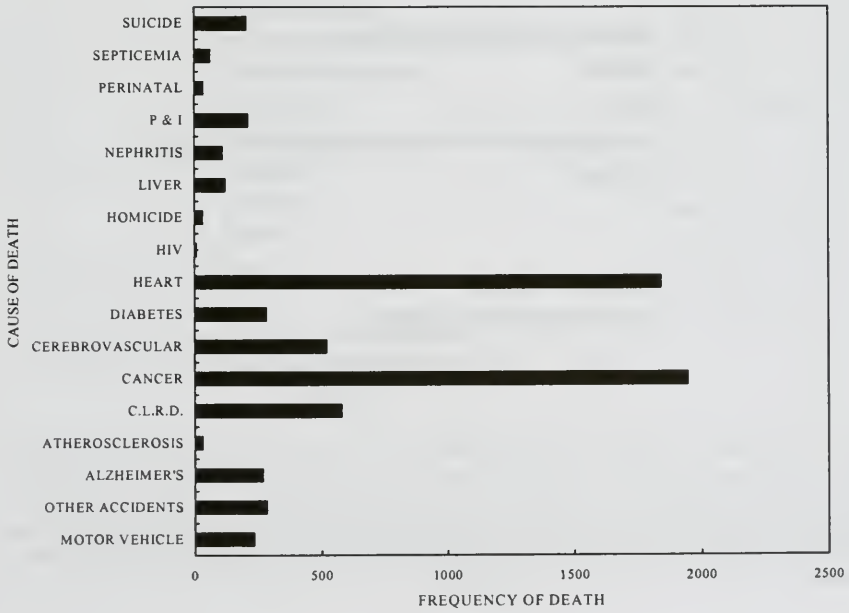
The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-7**. The ten leading causes of death, in order, are cancer (22.9% of all resident deaths), heart disease (21.7%), chronic lower respiratory diseases (CLRD) (6.8%), cerebrovascular disease (6.1%), accidents (6.1%), diabetes (3.3%), Alzheimer's disease (3.1%), pneumonia and influenza (2.5%), and chronic liver disease and cirrhosis (1.4%).

Figure 50 represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2005 are reflected in this figure.

Figure 50

FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2005

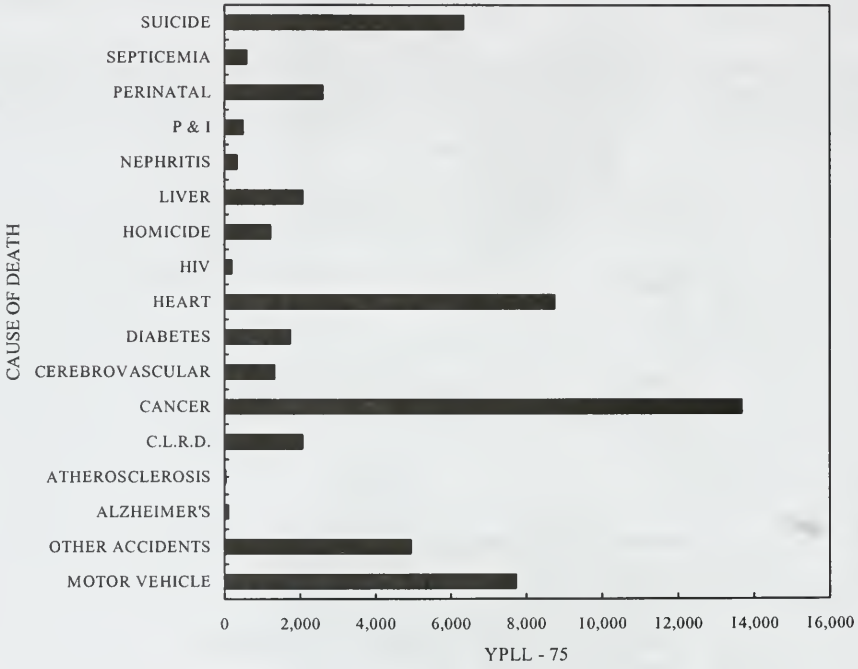


An alternative perspective, YPLL-75, is shown in **Figure 51**. Only decedents younger than 75 at the time of death are reflected in this figure

Accidents (both motor and non-motor-vehicle), homicide and legal intervention, and suicide comprise only 8.9% of the deaths in 2005 but accounted for 29.9% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the disproportionately large cost (in terms of life lost) of the typical death from traumatic causes.

Figure 51

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2005

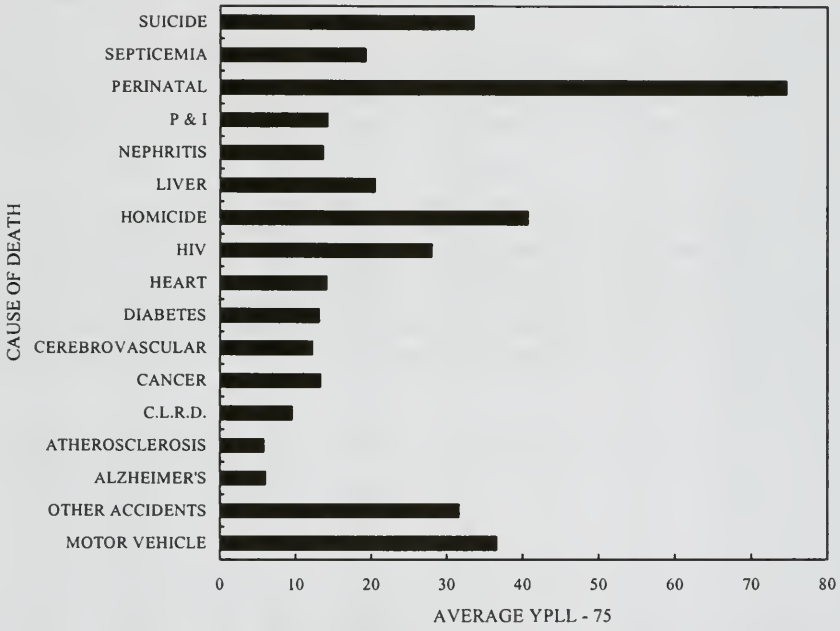


In 2005, the total loss of life before age 75 was 67,898 years. The loss to society resulting from cancer was 20.1% of all years lost. Accidental deaths of any type accounted for 18.7% of total YPLL, with motor vehicle accidents accounting for 11.4% and non-motor-vehicle accidents accounting for 7.3%. Heart disease also caused large losses to society, accounting for 8,759 years lost (12.9%). Other deaths due to traumatic injury such as suicide and homicide and legal intervention, accounted for 9.3% and 1.8%, respectively.

Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age (in both cases more than half the decedents were younger than 75 years of age at death). The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." (Morbidity and Mortality Weekly Report, June 20, 1997). Frequency of accidental deaths was ranked 5th but this cause of death is ranked 2nd in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked 9th by frequency, but became the 4th leading cause when measured by total YPLL-75.

Figure 52

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2005



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 52**.

Figure 53

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75 BY CAUSE OF DEATH CENTRAL TENDENCY AND DISPERSION* MONTANA RESIDENTS, 2005

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL - 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	19.2	3,531	67,898	0	73.1	78	84	112	18.9	8,497
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	74.6	35	2,611	0	0.4	0	0	14	2.4	35
ASSAULT (HOMICIDE)	40.7	30	1,221	0	37.2	35.5	20	87	21.8	32
MOTOR VEHICLE ACCIDENTS	36.6	211	7,732	0	42.6	38	24	93	21.7	233
INTENTIONAL SELF-HARM (SUICIDE)	33.5	189	6,340	12	44.7	44	46	95	19.0	205
NON-MOTOR-VEHICLE ACCIDENTS	31.6	156	4,937	0	63.0	67.5	88	102	25.5	284
HIV INFECTION	28.0	7	196	38	47.0	47	.	58	7.4	7
OTHER CAUSES	23.6	579	13,671	0	74.7	81	87	107	21.2	1,728
CHRONIC LIVER DISEASE AND CIRRHOSIS	20.5	101	2,068	25	58.8	57.5	50	90	14.2	120
SEPTICEMIA	19.2	31	595	24	70.4	74	88	97	18.3	62
PNEUMONIA & INFLUENZA	14.2	35	497	9	84.0	87	83	106	13.2	212
HEART DISEASE	14.1	620	8,759	0	77.7	81	89	104	14.5	1,842
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	13.6	25	340	38	80.3	83	83	112	13.2	109
CANCER	13.3	1030	13,671	10	71.5	73	79	99	13.2	1,947
DIABETES	13.1	133	1,742	28	73.9	76	85	101	14.0	283
CEREBROVASCULAR DISEASE	12.2	109	1,326	15	81.4	84	90	102	12.1	521
CHRONIC LOWER RESPIRATORY DISEASES	9.5	218	2,061	21	76.6	78	84	100	10.8	580
ALZHEIMER'S	6.0	17	102	51	86.0	87	88	100	6.8	267
ATHEROSCLEROSIS	5.8	5	29	64	84.6	86	86	95	8.7	30

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (74.6 years lost). Traumatic causes of death--including motor vehicle accidents (36.6 years), other accidents (31.6), homicide and legal intervention (40.7), and suicide (33.5)—occupied the next four highest ranks.

Figure 53 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for these same 17 causes of death. Note that Montana had no HIV deaths in 2004 but had seven in 2005 and it ranked sixth for average YPLL.

The left side of the table shows YPLL-75 and related measures. The right side of the table shows statistics referring to all decedents, regardless of age.

Specific causes of death are shown in descending order of average years of life lost before age 75. In general, average YPLL-75 was high when median age was low. For instance, atherosclerosis' victims had the lowest associated average YPLL-75, 5.8 years per decedent younger than 75, and next to the highest associated median age, 86 years.

There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer (1,947) or heart disease (1,842), relatively few residents died of conditions arising in the perinatal period. However, 34 of these decedents died within the first year of life and contributed the maximum number of years (75) to total YPLL-75. There was one death of a 14 year old from perinatal causes (which is actually termed "causes originating in the perinatal period").

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the calculations. More than half of the decedents who died from septicemia, pneumonia and influenza, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer's are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members

CANCER INCIDENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for the diagnosis year 2005, reported as of October 2006 to the Montana Central Tumor Registry. Mortality data in this report are shown for the entire calendar year. Incidence cancer cases diagnosed in 2005 were approximately 85% completed on this date with 4,574 new cancer diagnoses having been reported for 2005. The expected number of Montana cancer cases for 2005 is 5,200. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from SEER race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed from 1996-2005 (10-year incidence). While previous reports showed cancer incidence data for one year, this report tabulates cancer incidence for 10 years and the data should not be compared with those in previous publications showing one-year incidence data. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (16.7% of all cancer diagnoses), female breast (16.8%), the lung and bronchus (13.8%), the colon (7.5%), melanoma (2.9%), the urinary bladder (4.8%), Hodgkin and Non-Hodgkin Lymphoma (4.4%), and the rectum and rectosigmoid (2.9%). Invasive cervical cancer accounted for less than 1% of cancer diagnoses (4.1% for both in-situ and malignant) for Montanans for 1996-2005. However, 1,547 of the 1,920 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for less than 1% of cancer diagnoses—only 270 cases were reported in 1996-2005.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1996-2005, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of 1996-2005 cancer diagnoses by site, sex, and county of residence is shown in Table C-3 for the 10 most frequently diagnosed primary sites.

Figures 54, 56, 58, and 60 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 55, 57, 59, and 61 show the five-year relative survival rates for these same cancers, comparing Montana and the United States (SEER). The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 7,965 cases reported for 1996-2005 and 781 cases reported for 2005 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2005, 129 Montana residents died of prostate cancer **(Tables D-1, D-2, D-5, and D-6)**, making it the fourth leading cause of cancer deaths.

Figure 54 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1996 through 2005. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 2005, 83% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 5% in 1996 to 4% in 2005. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. Over 90% of cancers of the prostate are characterized as adenocarcinoma. Unlike previous reports, cases diagnosed at an in-situ stage are removed from the table, since they are not counted and used in the computation in other national reports. The percent of unknown stage at diagnosis for 2005 decreased to 2% because the Collaborative Staging System was implemented in 2004 and almost all cases are staged.

Figure 54

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1996-2005

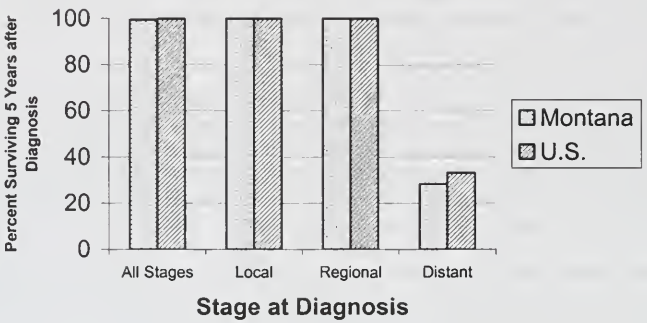
Year of Diagnosis	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of Cases Diagnosed	690	668	741	777	808	847	915	875	863	781
Percent Stage at Diagnosis*										
Local	57%	60%	65%	63%	68%	71%	75%	72%	84%	83%
Regional	16%	13%	13%	15%	12%	10%	11%	13%	11%	11%
Distant	5%	6%	5%	3%	4%	4%	3%	4%	3%	4%
Unknown	21%	22%	17%	19%	15%	15%	11%	11%	2%	2%

* Percentages may not add to 100 because of rounding.

Figure 55 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the fourth leading cause of cancer deaths among Montanans in 2005.

Figure 55

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER MONTANA AND THE UNITED STATES, 1996-2005



Prostate cancer is generally treated with surgery or radiation. About 45% of patients diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 25% of prostate cancer patients are treated with radiation. About 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women with 7,922 cases reported for 1996-2005 and 726 cases reported for 2005. It was the underlying cause of death for 134 female Montanans and no males, making breast cancer the third leading cause of cancer deaths in 2005 **(Tables D-1, D-2, D-5, and D-6)**. Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2005, 20% were diagnosed at an in-situ stage, 50% of breast cancers at a local stage, 26% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 56**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. It is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 56

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1996-2005

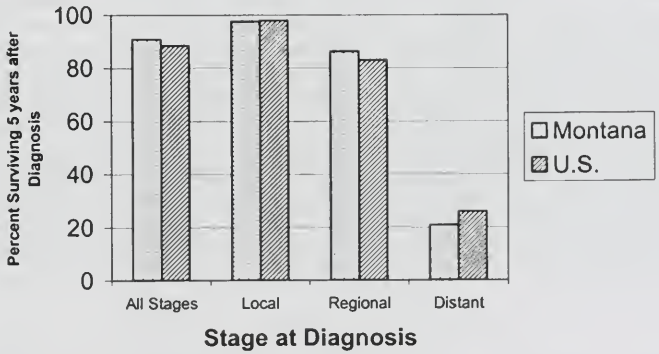
Year of Diagnosis		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of Cases Diagnosed	Males	1	6	5	5	2	5	2	2	3	5
	Females	764	740	780	833	827	860	780	838	774	726
Percent Stage at Diagnosis* In-Situ		11%	14%	14%	17%	18%	20%	20%	20%	22%	20%
Local		54%	50%	53%	52%	54%	49%	52%	50%	49%	50%
Regional		24%	28%	26%	23%	22%	24%	22%	24%	23%	26%
Distant		4%	3%	2%	3%	3%	3%	2%	3%	4%	3%
Unknown		7%	6%	4%	5%	4%	4%	4%	3%	3%	1%

* Percentages may not add to 100 because of rounding

Figure 57 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 98% of women survived 5 years if diagnosed at a local stage and about 86% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the rate of survival was 21%. Breast cancer is treated in a variety of ways. About 93% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation. About 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 10% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 57

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1996-2005



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer). In the years 1996-2005, 6,533 cancer cases have been reported and in 2005, 627 cases have been reported. It was the underlying cause of death for 550 Montanans **(Tables D-1, D-2, D-5, and D-6)**, making it the leading cause of cancer deaths.

The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 58**. In 2005, 59% of lung cancers were diagnosed at a distant stage and only 17% at a local stage. The stage was unknown or unstageable for about 3% of lung cases in 2005. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage. Unlike previous reports, cases diagnosed at an in-situ stage were removed from the table since they are not counted and used in the computation in other national reports. The percent of unknown stage at diagnosis for 2005 decreased to 3% because the Collaborative Staging System was implemented in 2004 and all treated cases are staged.

Figure 58

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1995-2005

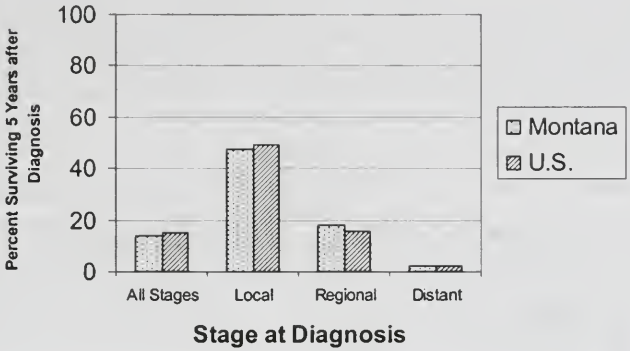
Year of Diagnosis		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of Cases Diagnosed	Males	378	338	410	339	380	357	367	369	332	323
	Females	255	278	319	262	307	331	296	294	294	304
Percent Stage at Diagnosis*											
Local		19%	17%	17%	16%	22%	15%	15%	15%	15%	17%
Regional		21%	25%	27%	28%	26%	29%	26%	24%	25%	21%
Distant		38%	39%	39%	39%	38%	37%	44%	47%	48%	59%
Unknown		22%	19%	17%	17%	15%	19%	16%	15%	12%	3%

* Percentages may not add to 100 because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 59** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty-seven percent of patients diagnosed at a localized stage survive five years; however, only 18% survive five years if diagnosed at a regional stage and about 2% if diagnosed at a distant stage. The types of treatment performed for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 21% of patients with lung cancer are treated with surgery and about 35% are treated with radiation. Chemotherapy is given to about 50% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. Twenty percent of lung cancers are squamous cell carcinomas, derived from stratified squamous epithelium. About 25% are adenocarcinoma and 20% are small cell carcinoma.

Figure 59

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1996-2005



COLORECTAL CANCER

Colorectal cancer was the third most common malignancy in Montanans with 4,880 cases reported for 1996-2005; there were 411 cases diagnosed and 187 deaths caused by colorectal cancer in 2005 **(Tables D-1, D-2, D-5, and D-6),** making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 60** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 2005, 42% were diagnosed at a local stage, 33% at a regional stage, and 20% at a distant stage. Unlike previous reports, cases diagnosed at an in-situ stage were removed from the table since they are not counted and used in the computation in other national reports.

Figure 60

DIAGNOSIS OF COLORECTAL CANCER

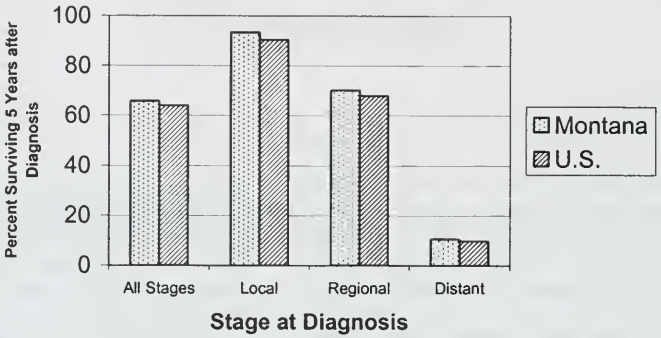
Year of Diagnosis		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number of Cases Diagnosed	Males	250	256	286	285	250	294	265	229	232	226
	Females	227	230	237	237	245	240	237	251	218	185
Percent Stage at Diagnosis* Local		35%	37%	34%	33%	36%	36%	36%	40%	36%	42%
Regional		39%	39%	41%	43%	43%	44%	39%	38%	36%	33%
Distant		13%	16%	17%	14%	15%	12%	17%	18%	18%	20%
Unknown		13%	8%	8%	9%	6%	7%	8%	5%	9%	5%

* Percentages may not add to 100 because of rounding.

Figure 61 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is 93%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 70%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. About 85% of patients with colorectal cancer are treated with surgery and about 34% are treated with chemotherapy. About 34% of patients with rectal cancer are treated with radiation while only about 2% of patients with colon cancer are treated with radiation. About 65% of colorectal carcinomas are adenocarcinoma and 12% are mucinous adenocarcinoma (an adenocarcinoma which secretes mucin).

Figure 61

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER
MONTANA AND THE UNITED STATES, 1996-2005



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Ries LAG, Harkins D, Krapcho M, Mariotto A, Miller BA, Feuer EJ, Clegg L, Eisner MP, Horner MJ, Howlader N, Hayat M, Hankey BF, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2003*, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2003/, based on November 2005 SEER data submission, posted to the SEER web site, 2006.
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INDUCED ABORTION

There were 2,155 induced abortions performed in Montana in 2005. Of these, 1,981 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 62** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1976.

Since the reporting of induced abortions began, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend fell and reached another near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward, varying unpredictably in some years. The ratio was 186.5 in 2005.

Figure 62

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1976-2005

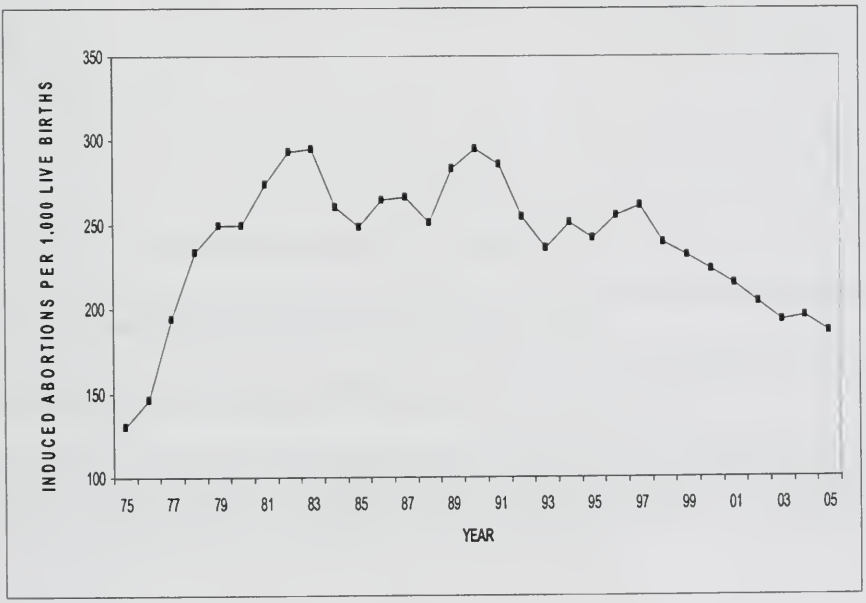


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2005.

The frequency of induced abortion, for all patients receiving the procedure in Montana in 2005 is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

Table S-8 shows the frequency of induced abortions--as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of abortion in this table is for Montana residents receiving the procedure in Montana.

There were no deaths of women receiving abortions in Montana in 2005 attributable to the procedure of induced abortion. This has been the case in Montana since 1974.

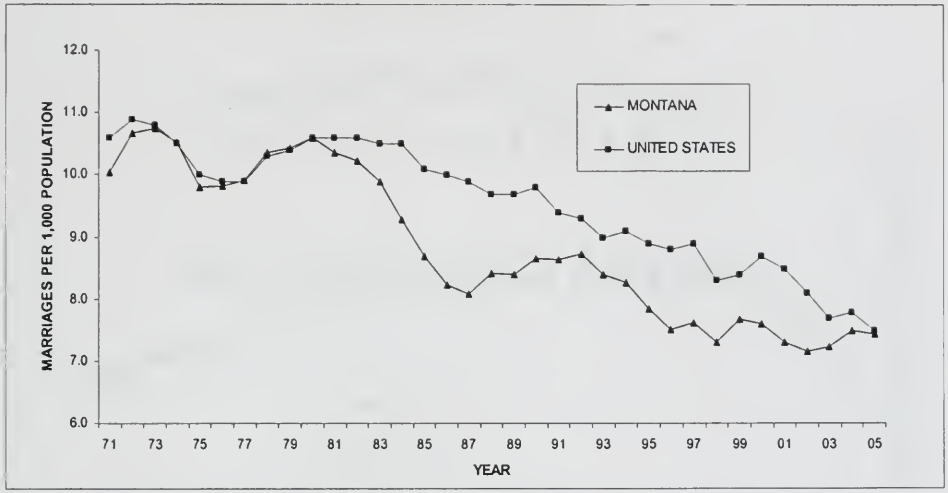
Of the 2,155 abortion procedures performed in Montana in 2005, 11 resulted in reported complications--four with hemorrhage, one with infection, one with retained products, and five with other complications.

MARRIAGE

There were 6,964 marriages solemnized in Montana in 2005 and the rate per 1,000 population, 7.4, was slightly decreased from the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 63**).

Figure 63

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1971-2005*



* Data for the United States in 2002 and 2003 are preliminary and are not yet available for 2004.

Table M-1 shows the frequency of marriage by month in the year 2005. The summer and early fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. Nearly two-thirds of the brides (64.5%) and grooms (64.7%) married for the first time in 2005.

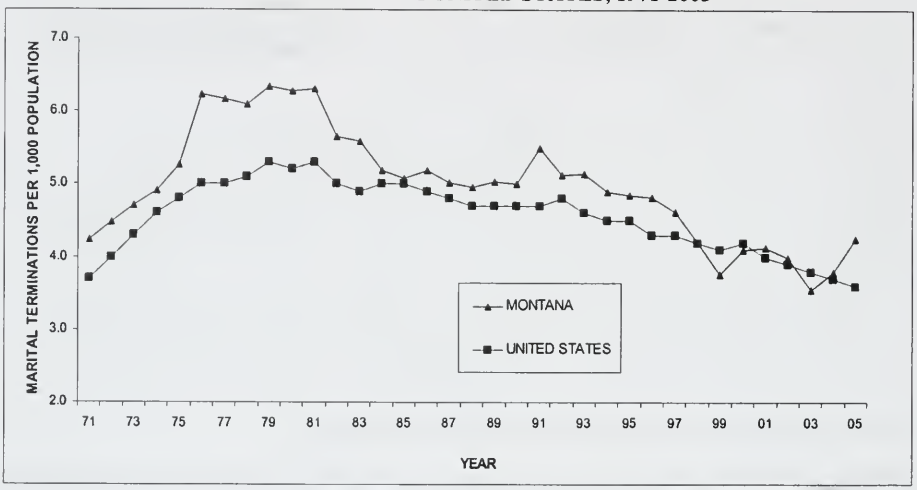
Just over half (54.1 %) of all marriages performed in Montana in 2005 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms for the previous ten years are shown in **Table M-4**. The median age for first-time brides in 2005 was 24 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2005 are not strictly comparable to those collected by the Office of Vital Statistics (OVS). However, **Figure 64** shows that the trend in marital termination for Montana was roughly parallel to the national trend from 1970 through 1997, years in which data were collected by OVS, although the Montana rates were consistently higher up to the time JCMS assumed data collection. In the years after 1997, when CMS has been collecting marital termination data, the Montana rate has dipped below, then exceeded, then again fell below, and in 2005 once again exceeded the U.S. marital termination rate.

Figure 64

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1971-2005*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2005 are provisional.

Montana's rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. As stated above, marital termination records for subsequent years—and rates calculated from those records—are not strictly comparable.

2005

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO . . . . . -

RATE OR PERCENT IS LESS THAN 0.05 . . . --

DATA ARE NOT AVAILABLE . . . . . ---

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TABLE S-1

FREQUENCY AND RATE OR RATIO OF
DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH BY YEAR*
MONTANA, 1910-2005*

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10 6	6,124	16 3	NA	NA	714	116 6	62	1,012 4
1915	468,067	5,072	10 8	11,132	23 8	NA	NA	816	73 3	91	817 5
1920	548,339	5,289	9 6	11,862	21 6	NA	NA	862	72 7	104	876 7
1925	542,834	5,188	9 8	10,302	19 0	343	33 3	726	70 5	83	805 7
1930	537,606	5,435	10 1	10,004	18 6	286	28 6	569	56 9	67	669 7
1935	549,077	6,291	11 5	10,029	18 3	232	23 1	602	60 0	52	518 5
1940	559,456	5,722	10 2	11,466	20 5	216	18 8	527	46 0	39	340 1
1945	504,600	5,414	10 7	10,601	21 0	184	17 4	363	34 2	17	160 4
1946	521,900	5,595	10 7	12,858	24 6	224	17 4	448	34 8	18	140 0
1947	539,200	5,760	10 7	15,086	28 0	238	15 8	484	32 1	16	106 1
1948	556,500	5,884	10 6	15,035	27 0	236	15 7	461	30 7	14	93 1
1949	573,800	5,878	10 2	15,366	26 8	231	15 0	457	29 7	14	91 1
1950	591,024	5,817	9 8	15,592	26 4	233	14 9	441	28 3	20	128 3
1951	596,000	5,964	10 0	15,929	26 7	246	15 6	425	26 7	10	62 8
1952	602,000	5,974	9 9	16,479	27 4	253	15 4	448	27 2	8	48 5
1953	616,000	6,125	9 9	16,596	26 9	232	14 0	480	28 9	3	18 1
1954	624,000	6,030	9 7	17,276	27 7	247	14 3	398	23 0	5	28 9
1955	636,000	6,115	9 6	17,454	27 4	221	12 7	433	24 8	5	28 6
1956	656,000	6,450	9 8	17,703	27 0	239	13 5	495	28 0	2	11 3
1957	667,000	6,486	9 7	18,219	27 3	224	12 3	462	25 4	5	27 4
1958	666,000	6,265	9 4	17,275	25 9	233	13 5	444	25 7	3	17 4
1959	669,000	6,570	9 8	17,646	26 4	223	12 6	431	24 4	3	17 0
1960	674,767	6,525	9 7	17,448	25 9	190	10 9	435	24 9	5	28 7
1961	682,000	6,338	9 3	17,368	25 5	194	11 2	441	25 4	2	11 5
1962	709,000	6,418	9 1	16,818	23 7	210	12 5	436	25 9	7	41 6
1963	707,000	6,609	9 3	15,934	22 5	194	12 2	383	24 0	2	12 6
1964	705,000	6,851	9 7	15,094	21 4	200	13 3	403	26 7	7	46 4
1965	706,000	6,578	9 3	13,641	19 3	177	13 0	338	24 8	2	14 7
1966	702,000	6,864	9 8	12,623	18 0	140	11 1	286	22 7	3	23 8
1967	701,000	6,549	9 3	12,087	17 2	141	11 7	290	24 0	3	24 8
1968	693,000	6,534	9 4	11,992	17 3	146	12 2	233	19 4	1	8 3
1969	694,000	6,694	9 6	11,762	16 9	132	11 2	246	20 9	1	8 5
1970	694,409	6,597	9 5	12,622	18 2	140	11 1	272	21 5	3	23 8
1971	710,000	6,860	9 7	12,347	17 4	127	10 3	267	21 6	-	-
1972	719,000	6,896	9 6	11,444	15 9	129	11 3	225	19 7	4	35 0
1973	721,000	6,870	9 5	11,392	15 8	105	9 2	222	19 5	-	-
1974	735,000	6,552	8 9	12,273	16 7	125	10 2	202	16 5	1	8 1
1975	748,000	6,539	8 7	12,070	16 1	112	9 3	187	15 5	3	24 9
1976	753,000	6,733	8 9	12,605	16 7	104	8 3	209	16 6	-	-
1977	761,000	6,397	8 4	13,304	17 5	119	8 9	183	13 8	1	7 5
1978	785,000	6,484	8 3	13,545	17 3	110	8 1	155	11 4	3	22 1
1979	786,000	6,471	8 2	14,057	17 9	116	8 3	151	10 7	4	28 5
1980	786,690	6,664	8 5	14,208	18 1	104	7 3	176	12 4	2	14 1
1981	793,000	6,709	8 5	14,309	18 0	85	5 9	153	10 7	-	
1982	801,000	6,625	8 3	14,538	18 1	93	6 4	147	10 1	1	6 9
1983	817,000	6,699	8 2	14,054	17 2	91	6 5	126	9 0	4	28 5
1984	824,000	6,698	8 1	14,141	17 2	110	7 8	125	8 8	1	7 1
1985	826,000	6,725	8 1	13,497	16 3	96	7 1	139	10 3	-	-
1986	819,000	6,738	8 2	12,728	15 5	95	7 5	122	9 6	2	15 7
1987	809,000	6,597	8 2	12,239	15 1	96	7 8	121	9 9	-	-
1988	805,000	6,759	8 4	11,682	14 5	92	7 9	100	8 6	1	8 6
1989	805,600	6,735	8 4	11,667	14 5	86	7 4	133	11 4	-	-
1990	799,065	6,835	8 6	11,602	14 5	78	6 7	106	9 1	-	-
1991	808,000	6,995	8 7	11,498	14 2	90	7 8	82	7 1	1	8 7
1992	823,700	7,067	8 6	11,468	13 9	84	7 3	85	7 4	-	-
1993	839,000	7,457	8 9	11,362	13 5	74	6 5	84	7 4	-	-
1994	856,240	7,331	8 6	11,062	12 9	52	4 7	82	7 4	-	-
1995	868,522	7,614	8 8	11,136	12 8	67	6 0	79	7 1	-	-
1996	879,370	7,686	8 7	10,840	12 3	58	5 4	75	6 9	1	9 2
1997	878,810	7,730	8 6	10,840	12 3	49	4 5	73	6 7	-	-
1998	879,533	7,960	9 1	10,791	12 3	76	7 0	82	7 6	1	9 3
1999	882,779	8,082	9 2	10,779	12 2	62	5 8	71	6 6	-	-
2000	902,195	8,071	8 9	10,946	12 1	55	5 0	63	5 8	2	18 3
2001	904,433	8,252	9 1	10,947	12 1	43	3 9	73	6 7	2	18 3
2002	909,453	8,473	9 3	11,045	12 1	51	4 8	81	7 3	-	-
2003	917,621	8,445	9 2	11,384	12 4	55	4 8	77	6 8	5	43 9
2004	926,865	8,083	8 7	11,514	12 4	40	3 5	53	4 6	9	78 2
2005	935,670	8,497	9 1	11,573	12 4	54	4 7	81	7 0	6	51 8

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U. S. CENSUS ENUMERATION'S ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
++ PER 100,000 LIVE BIRTHS.

TABLE S-2

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC	RES	OCC	RES	OCC	RES	OCC	RES	OCC	RES
MONTANA, TOTAL	8,554	8,497	11,556	11,573	54	54	73	81	6	6
BEAVERHEAD	58	59	88	96	1	1	-	-	-	-
BIG HORN	80	104	192	237	1	2	3	2	-	-
BLAINE	46	67	3	121	-	1	2	3	-	1
BROADWATER	28	47	-	34	-	-	-	1	-	-
CARBON	87	100	3	68	-	-	-	1	-	-
CARTER	6	10	-	9	-	-	-	-	-	-
CASCADE	897	808	1,373	1,094	8	7	13	5	1	-
CHOUTEAU	55	63	-	41	-	-	-	1	-	-
CUSTER	150	145	253	145	-	-	-	-	-	-
DANIELS	21	29	-	13	-	-	-	-	-	-
DAWSON	106	110	79	97	-	-	1	1	-	-
DEER LODGE	109	140	41	60	-	-	-	2	-	-
FALLON	29	27	-	34	-	-	-	-	-	-
FERGUS	139	140	84	90	-	-	-	-	-	-
FLATHEAD	760	713	1,120	1,067	5	5	2	6	-	-
GALLATIN	377	390	1,101	1,072	5	5	4	6	-	-
GARFIELD	12	13	-	15	-	-	-	-	-	-
GLACIER	103	129	222	259	-	-	2	4	-	-
GOLDEN VALLEY	3	7	-	4	-	-	-	-	-	-
GRANITE	21	29	-	28	-	-	-	-	-	-
HILL	125	134	361	256	3	2	1	1	1	1
JEFFERSON	51	80	1	95	-	-	-	-	-	-
JUDITH BASIN	6	18	1	11	-	-	-	-	-	-
LAKE	196	248	279	388	3	6	-	2	-	1
LEWIS & CLARK	528	505	722	650	3	3	4	6	-	-
LIBERTY	25	25	13	14	-	-	-	-	-	-
LINCOLN	149	194	104	174	-	1	-	1	-	-
MCCONE	14	20	-	18	-	-	-	-	-	-
MADISON	51	62	3	57	-	-	-	-	-	-
MEAGHER	29	30	-	18	-	-	-	-	-	-
MINERAL	36	40	1	45	-	-	-	-	-	-
MISSOULA	899	724	1,650	1,155	10	4	10	4	1	-
MUSSELSHELL	38	53	-	43	-	1	-	-	-	-
PARK	123	130	185	176	-	-	4	4	-	-
PETROLEUM	4	4	-	5	-	-	-	-	-	-
PHILLIPS	31	40	1	33	-	-	-	-	-	-
PONDERA	58	72	50	80	-	-	-	-	-	-
POWDER RIVER	9	16	-	9	-	-	-	-	-	-
POWELL	68	75	21	58	1	1	-	-	-	-
PRAIRIE	8	15	-	3	-	-	-	-	-	-
RAVALLI	325	377	240	460	1	3	2	2	-	-
RICHLAND	102	106	104	97	-	-	-	-	-	-
ROOSEVELT	91	117	107	231	1	1	2	2	-	-
ROSEBUD	51	87	5	174	-	1	-	3	-	-
SANDERS	101	127	39	90	-	-	-	-	-	-
SHERIDAN	50	52	15	22	-	-	-	1	-	-
SILVER BOW	458	439	437	376	-	1	2	4	-	-
STILLWATER	64	81	4	106	-	-	-	5	-	1
SWEET GRASS	31	34	-	41	-	1	-	1	-	-
TETON	56	77	3	64	-	-	-	-	-	-
TOOLE	56	59	30	49	-	-	-	-	-	-
TREASURE	1	9	-	5	-	-	-	-	-	-
VALLEY	69	70	166	82	-	-	-	-	-	-
WHEATLAND	22	26	-	22	-	-	-	-	-	-
WIBAUX	16	15	-	6	-	-	-	-	-	-
YELLOWSTONE	1,526	1,201	2,455	1,876	12	8	21	13	3	2
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	5	-	-	-	-	-	-	-	-

TABLE S-3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,497	7,383	409	705	11,573	9,839	1,481	253	54	43	10	1
BEAVERHEAD	59	57	-	2	96	91	1	4	1	1	-	-
BIG HORN	104	23	51	30	237	51	186	-	2	-	2	-
BLAINE	67	45	21	1	121	31	87	3	1	-	1	-
BROADWATER	47	46	1	-	34	34	-	-	-	-	-	-
CARBON	100	65	-	35	68	67	1	-	-	-	-	-
CARTER	10	10	-	-	9	8	1	-	-	-	-	-
CASCADE	808	728	21	59	1,094	955	82	57	7	7	-	-
CHOUTEAU	63	59	2	2	41	40	1	-	-	-	-	-
CUSTER	145	131	3	11	145	140	3	2	-	-	-	-
DANIELS	29	29	-	-	13	12	-	1	-	-	-	-
DAWSON	110	106	2	2	97	89	6	2	-	-	-	-
DEER LODGE	140	136	1	3	60	55	1	4	-	-	-	-
FALLON	27	27	-	-	34	33	1	-	-	-	-	-
FERGUS	140	138	1	1	90	85	4	1	-	-	-	-
FLATHEAD	713	493	7	213	1,067	1,032	18	19	5	4	1	-
GALLATIN	390	384	-	6	1,072	1,030	15	27	5	5	-	-
GARFIELD	13	13	-	-	15	15	-	-	-	-	-	-
GLACIER	129	50	76	3	259	48	208	3	-	-	-	-
GOLDEN VALLEY	7	5	-	2	4	4	-	-	-	-	-	-
GRANITE	29	29	-	-	28	28	-	-	-	-	-	-
HILL	134	120	12	2	256	154	96	8	2	2	-	-
JEFFERSON	80	80	-	-	95	92	2	1	-	-	-	-
JUDITH BASIN	18	17	-	1	11	10	1	-	-	-	-	-
LAKE	248	191	49	8	388	248	138	2	6	3	3	-
LEWIS & CLARK	505	492	8	5	650	615	25	10	3	3	-	-
LIBERTY	25	25	-	-	14	13	-	1	-	-	-	-
LINCOLN	194	182	3	9	174	171	2	1	1	1	-	-
MCCONE	20	20	-	-	18	18	-	-	-	-	-	-
MADISON	62	62	-	-	57	56	-	1	-	-	-	-
MEAGHER	30	30	-	-	18	18	-	-	-	-	-	-
MINERAL	40	38	1	1	45	44	1	-	-	-	-	-
MISSOULA	724	691	14	19	1,155	1,064	65	26	4	3	1	-
MUSSELSHELL	53	39	-	14	43	42	1	-	1	1	-	-
PARK	130	33	-	97	176	173	2	1	-	-	-	-
PETROLEUM	4	4	-	-	5	5	-	-	-	-	-	-
PHILLIPS	40	39	1	-	33	28	4	1	-	-	-	-
PONDERA	72	64	7	1	80	49	29	2	-	-	-	-
POWDER RIVER	16	15	-	1	9	9	-	-	-	-	-	-
POWELL	75	75	-	-	58	54	1	3	1	1	-	-
PRAIRIE	15	15	-	-	3	3	-	-	-	-	-	-
RAVALLI	377	355	3	19	460	447	7	8	3	2	-	1
RICHLAND	106	105	-	1	97	94	1	2	-	-	-	-
ROOSEVELT	117	49	68	-	231	52	174	5	1	-	1	-
ROSEBUD	87	62	22	3	174	56	118	-	1	-	1	-
SANDERS	127	125	1	1	90	81	7	2	-	-	-	-
SHERIDAN	52	52	-	-	22	21	-	1	-	-	-	-
SILVER BOW	439	425	11	3	376	351	4	21	1	1	-	-
STILLWATER	81	47	-	34	106	102	3	1	-	-	-	-
SWEET GRASS	34	27	-	7	41	41	-	-	1	1	-	-
TETON	77	72	1	4	64	81	2	1	-	-	-	-
TOOLE	59	59	-	-	49	45	3	1	-	-	-	-
TREASURE	9	8	-	1	5	5	-	-	-	-	-	-
VALLEY	70	87	3	-	82	86	14	2	-	-	-	-
WHEATLAND	26	25	-	1	22	22	-	-	-	-	-	-
WIBAUX	15	15	-	-	6	8	-	-	-	-	-	-
YELLOWSTONE	1,201	1,080	19	102	1,876	1,875	168	33	8	8	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	5	4	-	1	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE AND COUNTY OF RESIDENCE MONTANA , 2005

	FETAL DEATHS				INFANT DEATHS				CHILD* DEATHS			
	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES
MONTANA	54	43	10	1	81	61	14	6	70	50	13	7
BEAVERHEAD	1	1	-	-	-	-	-	-	1	1	-	-
BIG HORN	2	-	2	-	2	-	2	-	1	-	1	-
BLAINE	1	-	1	-	3	2	1	-	2	-	2	-
BROADWATER	-	-	-	-	1	1	-	-	1	1	-	-
CARBON	-	-	-	-	1	1	-	-	-	-	-	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	7	7	-	-	5	4	1	-	3	3	-	-
CHOUTEAU	-	-	-	-	1	1	-	-	-	-	-	-
CUSTER	-	-	-	-	-	-	-	-	1	1	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	-	1	1	-	-	-	-	-	-
DEER LODGE	-	-	-	-	2	2	-	-	1	-	-	1
FALLON	-	-	-	-	-	-	-	-	-	-	-	-
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-
FLATHEAD	5	4	1	-	6	5	-	1	7	6	-	1
GALLATIN	5	5	-	-	6	6	-	-	4	3	-	1
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	-	-	-	-	4	1	3	-	3	-	3	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-
HILL	2	2	-	-	1	1	-	-	-	-	-	-
JEFFERSON	-	-	-	-	-	-	-	-	1	1	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	6	3	3	-	2	1	1	-	2	1	1	-
LEWIS & CLARK	3	3	-	-	6	6	-	-	4	4	-	-
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	1	1	-	-	1	1	-	-	1	1	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-	-	1	1	-	-
MINERAL	-	-	-	-	-	-	-	-	1	1	-	-
MISSOULA	4	3	1	-	4	4	-	-	3	3	-	-
MUSSELSHELL	1	1	-	-	-	-	-	-	-	-	-	-
PARK	-	-	-	-	4	1	-	3	2	-	-	2
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-
PONDERA	-	-	-	-	-	-	-	-	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	1	1	-	-	-	-	-	-	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	3	2	-	1	2	2	-	-	2	1	-	1
RICHLAND	-	-	-	-	-	-	-	-	1	1	-	-
ROOSEVELT	1	-	1	-	2	-	2	-	2	-	2	-
ROSEBUD	1	-	1	-	3	-	2	1	5	2	3	-
SANDERS	-	-	-	-	-	-	-	-	3	3	-	-
SHERIDAN	-	-	-	-	1	1	-	-	-	-	-	-
SILVER BOW	1	1	-	-	4	4	-	-	3	3	-	-
STILLWATER	-	-	-	-	5	5	-	-	1	-	-	1
SWEET GRASS	1	1	-	-	1	1	-	-	2	2	-	-
TETON	-	-	-	-	-	-	-	-	1	1	-	-
TOOLE	-	-	-	-	-	-	-	-	1	1	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	-	-	-	-	3	3	-	-
WHEATLAND	-	-	-	-	-	-	-	-	1	1	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	8	8	-	-	13	10	2	1	6	5	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

*** AGED 1-17 YEARS.**

TABLE S-5

FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION* BY YEAR
MONTANA OCCURENCES, 1949 - 2005

YEAR	MARRIAGES		MARITAL TERMINATIONS*	
	NUMBER	RATE**	NUMBER	RATE**
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,185	10.2	4,612	5.8
1983	8,092	9.9	4,644	5.7
1984	7,659	9.3	4,355	5.3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5.3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5.0
1989	6,765	8.4	4,104	5.1
1990	6,924	8.7	4,049	5.1
1991	6,984	8.6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8.4	4,311	5.1
1994	7,088	8.3	4,196	4.9
1995	6,818	7.8	4,214	4.8
1996	6,609	7.5	4,238	4.8
1997	6,708	7.6	4,058	4.6
1998	6,436	7.3	3,698*	4.2*
1999	6,785	7.7	3,318*	3.8*
2000	6,870	7.6	3,694*	4.1*
2001	6,612	7.3	3,735*	4.1*
2002	6,514	7.2	3,634*	4.0*
2003	6,640	7.2	3,255*	3.5*
2004	6,946	7.5	3,516*	3.8*
2005	6,964	7.4	3,983*	4.3*

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

** PER 1,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE S-6

FREQUENCY OF LICENSES ISSUED AND
MARRIAGES SOLUMNIZED
BY COUNTY OF OCCURRENCE - MONTANA, 2005

COUNTY	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARITAL TERMINATIONS
MONTANA, TOTAL	6,964	6,964	3,983
BEAVERHEAD	56	56	18
BIG HORN	94	87	18
BLAINE	32	37	-
BROADWATER	34	41	4
CARBON	123	198	9
CARTER	5	7	2
CASCADE	633	613	445
CHOUTEAU	23	32	11
CUSTER	68	83	41
DANIELS	7	7	7
DAWSON	73	70	16
DEER LODGE	39	52	23
FALLON	27	22	3
FERGUS	73	84	52
FLATHEAD	900	859	480
GALLATIN	782	690	260
GARFIELD	6	4	3
GLACIER	79	90	29
GOLDEN VALLEY	2	5	2
GRANITE	12	25	4
HILL	103	92	72
JEFFERSON	36	70	20
JUDITH BASIN	14	12	4
LAKE	159	218	92
LEWIS & CLARK	433	389	367
LIBERTY	4	6	9
LINCOLN	87	132	76
MCCONE	4	3	3
MADISON	58	84	28
MEAGHER	8	14	4
MINERAL	27	42	12
MISSOULA	805	665	546
MUSSELSHELL	27	29	17
PARK	141	166	74
PETROLEUM	1	1	-
PHILLIPS	24	30	12
PONDERA	21	26	18
POWDER RIVER	13	8	3
POWELL	25	32	21
PRAIRIE	2	2	0
RAVALLI	188	240	142
RICHLAND	44	45	35
ROOSEVELT	67	65	8
ROSEBUD	38	37	12
SANDERS	69	80	24
SHERIDAN	17	22	11
SILVER BOW	266	240	175
STILLWATER	63	55	24
SWEET GRASS	19	32	14
TETON	29	24	12
TOOLE	36	38	12
TREASURE	3	3	2
VALLEY	41	47	21
WHEATLAND	11	9	2
WIBAUX	5	5	-
YELLOWSTONE	1,008	938	679
YELLOWSTONE PARK	-	-	0
NOT STATED	-	1	5

TABLE S-7

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO
POPULATION	935,670		8,773		13,149		6,629		4,517		9,902		1,320		79,569	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	37	4.2	133	10.2	54	8.1	(13)	-2.9	(32)	-3.3	(1)	-0.7	286	3.6
LIVE BIRTHS, TOTAL	11,573	12.4	96	10.9	237	18.0	121	18.3	34	7.5	68	6.9	9	6.8	1,094	13.7
SEX-MALE	5,918	13.2	58	---	120	---	57	---	19	---	38	---	4	---	549	---
FEMALE	5,655	12.5	38	---	117	---	64	---	15	---	30	---	5	---	545	---
OUT-OF-WEDLOCK	3,993	345.0	18	187.5	142	599.2	77	636.4	7	205.9	20	294.1	1	111.1	359	328.2
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	59	6.7	104	7.9	67	10.1	47	10.4	100	10.1	10	7.6	808	10.2
SEX-MALE	4,311	9.9	27	---	45	---	37	---	22	---	56	---	4	---	417	---
FEMALE	4,186	9.5	32	---	59	---	30	---	25	---	44	---	6	---	391	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	-	-	2	8.4	3	24.8	1	29.4	1	14.7	-	-	5	4.6
NEONATAL (UNDER 28 DAYS)	49	4.2	-	-	-	-	-	-	1	29.4	-	-	-	-	2	1.8
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	2	8.4	3	24.8	-	-	1	14.7	-	-	3	2.7
FETAL DEATHS	54	4.7	1	10.4	2	8.4	1	8.3	-	-	-	-	-	-	7	6.4
PERINATAL DEATHS	103	8.9	1	10.4	2	8.4	1	8.3	1	29.4	-	-	-	-	9	8.2
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	15	171.0	16	121.7	13	196.1	21	464.9	22	222.2	4	303.0	187	235.0
HEART DISEASE	1,842	196.9	14	159.6	19	144.5	14	211.2	7	155.0	18	181.8	2	151.5	152	191.0
CHRON. LOWER RESP. DISEASES	580	62.0	5	57.0	7	53.2	2	30.2	2	44.3	8	80.8	2	151.5	62	77.9
CEREBROVASVULAR DISEASE	521	55.7	2	22.8	12	91.3	6	90.5	5	110.7	6	60.6	-	-	62	77.9
ACCIDENTS	517	55.3	4	45.6	11	83.7	6	90.5	2	44.3	7	70.7	1	75.8	47	59.1
DIABETES	283	30.2	3	34.2	8	60.8	1	15.1	1	22.1	6	60.6	-	-	26	32.7
ALZHEIMER'S DISEASE	267	28.5	3	34.2	2	15.2	3	45.3	1	22.1	4	40.4	-	-	34	42.7
PNEUMONIA AND INFLUENZA	212	22.7	-	-	3	22.8	1	15.1	-	-	3	30.3	1	75.8	17	21.4
SUICIDE	205	21.9	2	22.8	4	30.4	1	15.1	-	-	-	-	-	-	18	22.6
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	-	-	6	45.6	2	30.2	-	-	1	10.1	-	-	12	15.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	88	10.0	192	14.6	3	0.5	-	-	3	0.3	-	-	1,373	17.3
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	58	6.6	80	6.1	46	6.9	28	6.2	87	8.8	6	4.5	897	11.3
INFANT (UNDER 1 YEAR)	73	6.3	-	-	3	15.6	2	666.7	-	-	-	-	-	-	13	9.5
ACCIDENTAL	563	0.6	9	1.0	13	1.0	4	0.6	2	0.4	4	0.4	1	0.8	51	0.6
MOTOR VEHICLE	274	0.3	6	0.7	11	0.8	2	0.3	2	0.4	1	0.1	1	0.8	12	0.2
OTHER ACCIDENTAL	289	0.3	3	0.3	2	0.2	2	0.3	-	-	3	0.3	-	-	39	0.5
MARRIAGES SOLUMNIZED	6,964	7.4	56	6.4	87	6.6	37	5.6	41	9.1	198	20.0	7	5.3	613	7.7
MARITAL TERMINATIONS#	3,983	4.3	18	2.1	18	1.4	-	0.0	4	0.9	9	0.9	2	1.5	445	0.0

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		5,463		11,267		1,836		8,688		8,948		2,717		11,551	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	(22)	-4.0	-	-	(16)	-8.7	(13)	-1.5	(80)	-8.9	7	2.5	(50)	-4.3
LIVE BIRTHS, TOTAL	11,573	12.4	41	7.5	145	12.9	13	7.1	97	11.2	60	6.7	34	12.5	90	7.8
SEX-MALE	5,918	13.2	20	---	82	---	5	---	52	---	30	---	19	---	47	---
FEMALE	5,655	12.5	21	---	63	---	8	---	45	---	30	---	15	---	43	---
OUT-OF-WEDLOCK	3,993	345.0	6	146.3	54	372.4	2	153.8	30	309.3	30	500.0	7	205.9	19	211.1
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	63	11.5	145	12.9	29	15.8	110	12.7	140	15.6	27	9.9	140	12.1
SEX-MALE	4,311	9.9	32	---	70	---	16	---	65	---	72	---	9	---	62	---
FEMALE	4,186	9.5	31	---	75	---	13	---	45	---	68	---	18	---	78	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	1	24.4	-	-	-	-	1	10.3	2	33.3	-	-	-	-
NEONATAL (UNDER 28 DAYS)	49	4.2	1	24.4	-	-	-	-	-	-	1	16.7	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	-	-	-	-	1	10.3	1	16.7	-	-	-	-
FETAL DEATHS	54	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERINATAL DEATHS	103	8.9	1	24.4	-	-	-	-	-	-	1	16.7	-	-	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	18	329.5	41	363.9	11	599.1	29	333.8	29	324.1	6	220.8	30	259.7
HEART DISEASE	1,842	196.9	7	128.1	27	239.6	3	163.4	25	287.8	33	368.8	7	257.6	37	320.3
CHRON. LOWER RESP. DISEASES	580	62.0	3	54.9	9	79.9	1	54.5	3	34.5	15	167.6	1	36.8	6	51.9
CEREBROVASVULAR DISEASE	521	55.7	5	91.5	7	62.1	2	108.9	6	69.1	6	67.1	2	73.6	11	95.2
ACCIDENTS	517	55.3	5	91.5	3	26.6	2	108.9	3	34.5	8	89.4	3	110.4	7	60.6
DIABETES	283	30.2	4	73.2	8	71.0	2	108.9	5	57.6	3	33.5	1	36.8	1	8.7
ALZHEIMER'S DISEASE	267	28.5	4	73.2	15	133.1	1	54.5	1	11.5	1	11.2	-	-	8	69.3
PNEUMONIA AND INFLUENZA	212	22.7	-	-	3	26.6	1	54.5	3	34.5	9	100.6	1	36.8	3	26.0
SUICIDE	205	21.9	1	18.3	3	26.6	-	-	4	46.0	3	33.5	2	73.6	2	17.3
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	-	-	2	17.8	-	-	3	34.5	3	33.5	-	-	1	8.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	-	-	253	22.5	-	-	79	9.1	41	4.6	-	-	84	7.3
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	55	10.1	150	13.3	21	11.4	106	12.2	109	12.2	29	10.7	139	12.0
INFANT (UNDER 1 YEAR)	73	6.3	-	-	-	-	-	-	1	12.7	-	-	-	-	-	-
ACCIDENTAL	563	0.6	8	1.5	4	0.4	1	0.5	3	0.3	7	0.8	4	1.5	9	0.8
MOTOR VEHICLE	274	0.3	5	0.9	4	0.4	-	-	1	0.1	2	0.2	2	0.7	5	0.4
OTHER ACCIDENTAL	289	0.3	3	0.5	-	-	1	0.5	2	0.2	5	0.6	2	0.7	4	0.3
MARRIAGES SOLUMNIZED	6,964	7.4	32	5.9	83	7.4	7	3.8	70	8.1	52	5.8	22	8.1	84	7.3
MARITAL TERMINATIONS#	3,983	4.3	11	2.0	41	3.6	7	3.8	16	1.8	23	2.6	3	1.1	52	4.5

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		83,172		78,210		1,199		13,552		1,159		2,965		16,304	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	354	4.4	682	9.0	2	1.6	130	9.6	(3)	-2.7	(1)	-0.3	122	7.5
LIVE BIRTHS, TOTAL	11,573	12.4	1,067	12.8	1,072	13.7	15	12.5	259	19.1	4	3.5	28	9.4	256	15.7
SEX-MALE	5,918	13.2	568	—	533	—	8	—	146	—	3	—	13	—	132	—
FEMALE	5,655	12.5	499	—	539	—	7	—	113	—	1	—	15	—	124	—
OUT-OF-WEDLOCK	3,993	345.0	312	292.4	197	183.8	1	66.7	197	760.6	2	500.0	8	285.7	127	496.1
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	713	8.6	390	5.0	13	10.6	129	9.5	7	6.0	29	9.8	134	8.2
SEX-MALE	4,311	9.9	358	—	215	—	5	—	73	—	2	—	17	—	56	—
FEMALE	4,186	9.5	355	—	175	—	8	—	56	—	5	—	12	—	78	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	6	5.6	6	5.6	-	-	4	15.4	-	-	-	-	1	3.9
NEONATAL (UNDER 28 DAYS)	49	4.2	5	4.7	2	1.9	-	-	1	3.9	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	1	0.9	4	3.7	-	-	3	11.6	-	-	-	-	1	3.9
FETAL DEATHS	54	4.7	5	4.7	5	4.7	-	-	-	-	-	-	-	-	2	7.8
PERINATAL DEATHS	103	8.9	10	9.4	7	6.5	-	-	1	3.9	-	-	-	-	2	7.8
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	161	193.6	93	118.9	6	500.4	25	184.5	1	86.3	10	337.3	29	177.9
HEART DISEASE	1,842	196.9	172	206.8	79	101.0	2	166.8	29	214.0	1	86.3	10	337.3	35	214.7
CHRON. LOWER RESP. DISEASES	580	62.0	51	61.3	16	20.5	1	83.4	7	51.7	1	86.3	2	67.5	7	42.9
CEREBROVASVULAR DISEASE	521	55.7	46	55.3	23	29.4	1	83.4	7	51.7	-	-	2	67.5	12	73.6
ACCIDENTS	517	55.3	47	56.5	20	25.6	-	-	10	73.8	-	-	1	33.7	7	42.9
DIABETES	283	30.2	18	21.6	8	10.2	-	-	6	44.3	-	-	-	-	2	12.3
ALZHEIMER'S DISEASE	267	28.5	27	32.5	7	9.0	-	-	1	7.4	1	86.3	2	67.5	1	6.1
PNEUMONIA AND INFLUENZA	212	22.7	15	18.0	8	10.2	2	166.8	-	-	-	-	-	-	4	24.5
SUICIDE	205	21.9	17	20.4	12	15.3	-	-	6	44.3	-	-	1	33.7	3	18.4
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	5	6.0	1	1.3	-	-	5	36.9	-	-	-	-	1	6.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	1,120	13.5	1,101	14.1	-	-	222	16.4	-	-	-	-	361	22.1
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	760	9.1	377	4.8	12	10.0	103	7.6	3	2.6	21	7.1	125	7.7
INFANT (UNDER 1 YEAR)	73	6.3	2	1.8	4	3.6	-	-	2	9.0	-	-	-	-	1	2.8
ACCIDENTAL	563	0.6	47	0.6	19	0.2	1	0.8	12	0.9	1	0.9	3	1.0	5	0.3
MOTOR VEHICLE	274	0.3	21	0.3	10	0.1	1	0.8	7	0.5	1	0.9	3	1.0	3	0.2
OTHER ACCIDENTAL	289	0.3	26	0.3	9	0.1	-	-	5	0.4	-	-	-	-	2	0.1
MARRIAGES SOLUMNIZED	6,964	7.4	859	10.3	690	8.8	4	3.3	90	6.6	5	4.3	25	8.4	92	5.6
MARITAL TERMINATIONS#	3,983	4.3	480	5.8	260	3.3	3	2.5	29	2.1	2	1.7	4	1.3	72	4.4

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		11,170		2,198		28,297		58,449		2,003		19,193		1,805	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	15	1.4	(7)	-3.2	140	5.0	145	2.5	(11)	-5.4	(20)	-1.0	(2)	-1.1
LIVE BIRTHS, TOTAL	11,573	12.4	95	8.5	11	5.0	388	13.7	650	11.1	14	7.0	174	9.1	18	10.0
SEX-MALE	5,918	13.2	42	---	5	---	188	---	328	---	11	---	100	---	9	---
FEMALE	5,655	12.5	53	---	6	---	200	---	322	---	3	---	74	---	9	---
OUT-OF-WEDLOCK	3,993	345.0	21	221.1	2	181.8	196	505.2	206	316.9	2	142.9	60	344.8	5	277.8
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	80	7.2	18	8.2	248	8.8	505	8.6	25	12.5	194	10.1	20	11.1
SEX-MALE	4,311	9.9	49	---	12	---	137	---	237	---	11	---	101	---	11	---
FEMALE	4,186	9.5	31	---	6	---	111	---	268	---	14	---	93	---	9	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	-	-	-	-	2	5.2	8	9.2	-	-	1	5.7	-	-
NEONATAL (UNDER 28 DAYS)	49	4.2	-	-	-	-	2	5.2	5	7.7	-	-	1	5.7	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	-	-	-	-	1	1.5	-	-	-	-	-	-
FETAL DEATHS	54	4.7	-	-	-	-	6	15.5	3	4.6	-	-	1	5.7	-	-
PERINATAL DEATHS	103	8.9	-	-	-	-	8	20.8	8	12.3	-	-	2	11.5	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	14	125.3	10	455.0	55	194.4	119	203.6	4	199.7	48	250.1	3	166.2
HEART DISEASE	1,842	196.9	12	107.4	5	227.5	54	190.8	115	196.8	4	199.7	37	192.8	4	221.6
CHRON. LOWER RESP. DISEASES	580	62.0	3	26.9	-	-	17	60.1	39	66.7	3	149.8	14	72.9	1	55.4
CEREBROVASVULAR DISEASE	521	55.7	6	53.7	-	-	13	45.9	27	46.2	2	99.9	9	46.9	2	110.8
ACCIDENTS	517	55.3	5	44.8	1	45.5	24	84.8	23	39.4	1	49.9	14	72.9	3	166.2
DIABETES	283	30.2	4	35.8	1	45.5	6	21.2	8	13.7	3	149.8	9	46.9	1	55.4
ALZHEIMER'S DISEASE	267	28.5	4	35.8	-	-	4	14.1	6	10.3	1	49.9	2	10.4	-	-
PNEUMONIA AND INFLUENZA	212	22.7	5	44.8	-	-	9	31.8	19	32.5	2	99.9	1	5.2	1	55.4
SUICIDE	205	21.9	1	9.0	1	45.5	3	10.6	13	22.2	-	-	6	31.3	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	2	17.9	-	-	6	21.2	6	10.3	-	-	4	20.8	1	55.4
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	1	0.1	1	0.5	279	9.9	722	12.4	13	6.5	104	5.4	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	51	4.6	6	2.7	196	6.9	528	9.0	25	12.5	149	7.8	14	7.8
INFANT (UNDER 1 YEAR)	73	6.3	-	-	-	-	-	-	4	5.5	-	-	-	-	-	-
ACCIDENTAL	563	0.6	6	0.5	2	0.9	22	0.8	23	0.4	2	1.0	13	0.7	3	1.7
MOTOR VEHICLE	274	0.3	4	0.4	2	0.9	10	0.4	9	0.2	1	0.5	7	0.4	1	0.6
OTHER ACCIDENTAL	289	0.3	2	0.2	-	-	12	0.4	14	0.2	1	0.5	6	0.3	2	1.1
MARRIAGES SOLUMNIZED	6,964	7.4	70	6.3	12	5.5	218	7.7	389	6.7	6	3.0	132	6.9	3	1.7
MARITAL TERMINATIONS#	3,983	4.3	20	1.8	4	1.8	92	3.3	367	6.3	9	4.5	76	4.0	3	1.7

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		7,274		1,999		4,014		100,086		4,497		15,968		470	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	(5)	-0.7	(12)	-6.0	5	1.3	431	4.4	(10)	-2.2	46	2.9	1	2.0
LIVE BIRTHS, TOTAL	11,573	12.4	57	7.8	18	9.0	45	11.2	1,155	11.5	43	9.6	178	11.0	5	10.6
SEX-MALE	5,918	13.2	26	—	9	—	20	—	598	—	23	—	93	—	2	—
FEMALE	5,655	12.5	31	—	9	—	25	—	557	—	20	—	83	—	3	—
OUT-OF-WEDLOCK	3,993	345.0	14	245.6	6	333.3	17	377.8	357	309.1	17	395.3	49	278.4	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	62	8.5	30	15.0	40	10.0	724	7.2	53	11.8	130	8.1	4	8.5
SEX-MALE	4,311	9.9	34	—	13	—	28	—	371	—	26	—	62	—	3	—
FEMALE	4,186	9.5	28	—	17	—	12	—	353	—	27	—	68	—	1	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	-	-	-	-	-	-	4	3.5	-	-	4	22.7	-	-
NEONATAL (UNDER 28 DAYS)	49	4.2	-	-	-	-	-	-	2	1.7	-	-	3	17.0	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	-	-	-	-	2	1.7	-	-	1	5.7	-	-
FETAL DEATHS	54	4.7	-	-	-	-	-	-	4	3.5	1	23.3	-	-	-	-
PERINATAL DEATHS	103	8.9	-	-	-	-	-	-	6	5.2	1	23.3	3	17.0	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	14	192.5	13	650.3	12	299.0	177	176.8	11	244.6	29	181.6	1	212.8
HEART DISEASE	1,842	196.9	10	137.5	3	150.1	6	199.3	137	136.9	16	355.8	26	162.8	1	212.8
CHRON. LOWER RESP. DISEASES	580	62.0	-	-	2	100.1	-	-	45	45.0	4	88.9	7	43.8	-	-
CEREBROVASVULAR DISEASE	521	55.7	5	68.7	2	100.1	3	74.7	32	32.0	2	44.5	3	18.8	-	-
ACCIDENTS	517	55.3	6	82.5	4	200.1	3	74.7	54	54.0	1	22.2	9	56.4	1	212.8
DIABETES	283	30.2	1	13.7	2	100.1	2	49.8	26	26.0	3	66.7	3	18.8	-	-
ALZHEIMER'S DISEASE	267	28.5	-	-	-	-	2	49.8	22	22.0	5	111.2	7	43.8	-	-
PNEUMONIA AND INFLUENZA	212	22.7	-	-	-	-	-	-	25	25.0	2	44.5	4	25.1	1	212.8
SUICIDE	205	21.9	2	27.5	-	-	-	-	24	24.0	-	-	7	43.8	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	2	27.5	-	-	1	24.9	7	7.0	-	-	2	12.5	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	3	0.4	-	-	1	0.2	1,650	16.5	-	-	185	11.8	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	51	7.0	29	14.5	36	9.0	899	9.0	38	8.5	123	7.7	4	8.5
INFANT (UNDER 1 YEAR)	73	6.3	-	-	-	-	-	-	10	6.1	-	-	4	21.6	-	-
ACCIDENTAL	563	0.6	5	0.7	4	2.0	4	1.0	61	0.6	-	-	10	0.6	3	6.4
MOTOR VEHICLE	274	0.3	4	0.5	3	1.5	3	0.7	27	0.3	-	-	4	0.3	3	6.4
OTHER ACCIDENTAL	289	0.3	1	0.1	1	0.5	1	0.2	34	0.3	-	-	6	0.4	-	-
MARRIAGES SOLUMNIZED	6,964	7.4	84	11.5	14	7.0	42	10.5	665	6.6	29	6.4	166	10.4	1	2.1
MARITAL TERMINATIONS#	3,983	4.3	28	3.8	4	2.0	12	3.0	546	5.5	17	3.8	74	4.8	-	0.0

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		4,179		6,087		1,705		6,999		1,105		39,940		9,096	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	(7)	-1.7	8	1.3	(7)	-4.0	(17)	-2.5	(12)	-10.5	83	2.1	(9)	-1.0
LIVE BIRTHS, TOTAL	11,573	12.4	33	7.9	80	13.1	9	5.3	58	8.3	3	2.7	460	11.5	97	10.7
SEX-MALE	5,918	13.2	12	---	39	---	4	---	28	---	-	---	250	---	49	---
FEMALE	5,655	12.5	21	---	41	---	5	---	30	---	3	---	210	---	48	---
OUT-OF-WEDLOCK	3,993	345.0	6	181.8	38	475.0	3	333.3	22	379.3	-	-	94	204.3	31	319.8
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	40	9.6	72	11.8	16	9.4	75	10.7	15	13.6	377	9.4	106	11.7
SEX-MALE	4,311	9.9	16	---	41	---	8	---	35	---	8	---	190	---	56	---
FEMALE	4,186	9.5	24	---	31	---	8	---	40	---	7	---	187	---	50	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	-	-	-	-	-	-	-	-	-	-	2	4.3	-	-
NEONATAL (UNDER 28 DAYS)	49	4.2	-	-	-	-	-	-	-	-	-	-	1	2.2	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	-	-	-	-	-	-	-	-	1	2.2	-	-
FETAL DEATHS	54	4.7	-	-	-	-	-	-	1	17.2	-	-	3	6.5	-	-
PERINATAL DEATHS	103	8.9	-	-	-	-	-	-	1	17.2	-	-	4	8.7	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	11	263.2	15	246.4	5	293.3	22	314.3	3	271.5	95	237.9	21	230.9
HEART DISEASE	1,842	196.9	8	191.4	16	262.9	5	293.3	14	200.0	6	543.0	77	192.8	29	318.8
CHRON. LOWER RESP. DISEASES	580	62.0	2	47.9	6	98.6	1	58.7	2	28.6	-	-	27	67.6	11	120.9
CEREBROVASVULAR DISEASE	521	55.7	-	-	2	32.9	2	117.3	4	57.2	2	181.0	26	65.1	3	33.0
ACCIDENTS	517	55.3	5	119.6	6	98.6	1	58.7	5	71.4	-	-	17	42.6	6	66.0
DIABETES	283	30.2	-	-	3	49.3	-	-	2	28.6	-	-	8	20.0	3	33.0
ALZHEIMER'S DISEASE	267	28.5	2	47.9	-	-	-	-	1	14.3	-	-	20	50.1	3	33.0
PNEUMONIA AND INFLUENZA	212	22.7	1	23.9	5	82.1	-	-	4	57.2	-	-	8	20.0	-	-
SUICIDE	205	21.9	-	-	2	32.9	-	-	4	57.2	-	-	10	25.0	2	22.0
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	-	-	1	16.4	-	-	3	42.9	2	181.0	4	10.0	1	11.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	1	0.2	50	8.2	-	-	21	3.0	-	-	240	6.0	104	11.4
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	31	7.4	58	9.5	9	5.3	68	9.7	8	7.2	325	8.1	102	11.2
INFANT (UNDER 1 YEAR)	73	6.3	-	-	-	-	-	-	-	-	-	-	2	8.3	-	-
ACCIDENTAL	563	0.6	5	1.2	4	0.7	-	-	9	1.3	-	-	13	0.3	4	0.4
MOTOR VEHICLE	274	0.3	2	0.5	1	0.2	-	-	5	0.7	-	-	7	0.2	2	0.2
OTHER ACCIDENTAL	289	0.3	3	0.7	3	0.5	-	-	4	0.6	-	-	6	0.2	2	0.2
MARRIAGES SOLUMNIZED	6,964	7.4	30	7.2	26	4.3	8	4.7	32	4.6	2	1.8	240	6.0	45	4.9
MARITAL TERMINATIONS#	3,983	4.3	12	2.9	18	3.0	3	1.8	21	3.0	-	0.0	142	3.6	35	3.8

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		10,524		9,212		11,057		3,524		32,982		8,493		3,872	
RESIDENCE																
NATURAL INCREASE	3,076	3 3	114	10.8	87	9 4	(37)	-3 4	(30)	-8.2	(83)	-1 9	25	3 0	7	1.9
LIVE BIRTHS, TOTAL	11,573	12 4	231	21.9	174	18.9	90	8 1	22	6 2	376	11 4	106	12 5	41	11 2
SEX-MALE	5,918	13 2	117	---	91	---	51	---	11	---	211	---	59	---	22	---
FEMALE	5,655	12 5	114	---	83	---	39	---	11	---	165	---	47	---	19	---
OUT-OF-WEDLOCK	3,993	345.0	156	675.3	111	637.9	28	311.1	4	181 8	167	444.1	16	150 9	8	146.3
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9 1	117	11.1	87	9.4	127	11.5	52	14 8	439	13 3	81	9 5	34	9.3
SEX-MALE	4,311	9 9	54	---	47	---	87	---	26	---	218	---	41	---	17	---
FEMALE	4,186	9 5	63	---	40	---	60	---	26	---	221	---	40	---	17	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	2	8.7	3	17.2	-	-	1	45.5	4	10.6	5	47 2	1	24 4
NEONATAL (UNDER 28 DAYS)	49	4.2	1	4.3	2	11.5	-	-	1	45 5	2	5 3	5	47.2	1	24 4
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	1	4.3	1	5.7	-	-	-	-	2	5.3	-	-	-	-
FETAL DEATHS	54	4 7	1	4 3	1	5.7	-	-	-	-	1	2 7	-	-	1	24 4
PERINATAL DEATHS	103	8 9	2	8 7	3	17.2	-	-	1	45.5	3	8.0	5	47 2	2	48.8
LEADING CAUSES OF DEATH **																
CANCER	1,947	208 1	20	190 0	19	206.3	35	316.5	10	283 8	90	272 9	13	153.1	5	136 2
HEART DISEASE	1,842	196.9	22	209 0	18	173.7	30	271.3	15	425.7	118	357.8	19	223.7	5	136 2
CHRON. LOWER RESP. DISEASES	580	62.0	4	38.0	4	43.4	7	63.3	2	56.8	41	124.3	7	82 4	1	27.2
CEREBROVASVULAR DISEASE	521	55 7	10	95.0	3	32.6	1	9.0	5	141.9	25	75 8	8	94 2	3	81.7
ACCIDENTS	517	55.3	8	76.0	9	97.7	10	90 4	1	28.4	21	63 7	6	70.6	2	54.5
DIABETES	283	30 2	10	95.0	2	21.7	8	72 4	2	56.8	20	60.6	1	11 8	-	-
ALZHEIMER'S DISEASE	267	28.5	3	28.5	1	10.9	5	45.2	1	28.4	10	30.3	5	58 9	3	81 7
PNEUMONIA AND INFLUENZA	212	22 7	1	9.5	2	21.7	3	27.1	5	141.9	9	27.3	-	-	-	-
SUICIDE	205	21.9	2	19.0	1	10.9	3	27.1	-	-	4	12.1	2	23.5	1	27 2
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	1	9.5	3	32 6	6	54.3	-	-	10	30.3	-	-	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12 4	107	10.2	5	0 5	39	3.5	15	4 3	437	13 2	4	0 5	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	91	8.6	51	5 5	101	9 1	50	14 2	458	13 9	64	7 5	31	8 4
INFANT (UNDER 1 YEAR)	73	6 3	2	18.7	-	-	-	-	-	-	2	4 6	-	-	-	-
ACCIDENTAL	563	0.6	7	0.7	7	0.8	10	0 9	1	0.3	22	0 7	4	0 5	2	0 5
MOTOR VEHICLE	274	0.3	2	0.2	6	0.7	6	0.5	-	-	7	0 2	3	0 4	1	0 3
OTHER ACCIDENTAL	289	0.3	5	0.5	1	0.1	4	0 4	1	0.3	15	0 5	1	0 1	1	0 3
MARRIAGES SOLUMNIZED	8,964	7 4	65	6.2	37	4.0	80	7.2	22	6.2	240	7.3	55	6.5	32	8 7
MARITAL TERMINATIONS#	3,983	4 3	8	0 8	12	1 3	24	2 2	11	3 1	175	5 3	24	2 8	14	3 8

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2005

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	935,670		6,240		5,031		689		7,143		2,037		951		136,691	
RESIDENCE																
NATURAL INCREASE	3,076	3.3	(13)	-2.1	(10)	-1.9	(4)	-5.4	12	1.7	(4)	-1.9	(9)	-9.2	675	5.0
LIVE BIRTHS, TOTAL	11,573	12.4	64	10.3	49	9.7	5	7.3	82	11.5	22	10.8	6	6.3	1,876	13.7
SEX-MALE	5,918	13.2	24	---	15	---	3	---	37	---	14	---	3	---	921	---
FEMALE	5,655	12.5	40	---	34	---	2	---	45	---	8	---	3	---	955	---
OUT-OF-WEDLOCK	3,993	345.0	10	156.3	14	285.7	1	200.0	33	402.4	8	363.6	4	666.7	673	358.7
DEATHS (EXCLUDING FETALS), TOTAL	8,497	9.1	77	12.3	59	11.7	9	13.1	70	9.8	26	12.8	15	15.8	1,201	8.8
SEX-MALE	4,311	9.9	40	---	24	---	4	---	40	---	11	---	7	---	603	---
FEMALE	4,186	9.5	37	---	35	---	5	---	30	---	15	---	8	---	598	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.0	-	-	-	-	-	-	-	-	-	-	-	-	13	6.9
NEONATAL (UNDER 28 DAYS)	49	4.2	-	-	-	-	-	-	-	-	-	-	-	-	10	5.3
POSTNEONATAL (28 DAYS-1 YEAR)	32	2.8	-	-	-	-	-	-	-	-	-	-	-	-	3	1.6
FETAL DEATHS	54	4.7	-	-	-	-	-	-	-	-	-	-	-	-	8	4.3
PERINATAL DEATHS	103	8.9	-	-	-	-	-	-	-	-	-	-	-	-	18	9.6
LEADING CAUSES OF DEATH **																
CANCER	1,947	208.1	21	336.5	16	318.0	5	725.7	11	154.0	8	392.7	1	105.2	244	178.5
HEART DISEASE	1,842	196.9	18	288.5	12	238.5	1	145.1	27	378.0	3	147.3	5	525.8	271	198.3
CHRON. LOWER RESP. DISEASES	580	62.0	5	80.1	3	59.6	-	-	-	-	1	49.1	2	210.3	106	77.5
CEREBROVASVULAR DISEASE	521	55.7	3	48.1	2	39.8	2	290.3	3	42.0	-	-	-	-	87	63.6
ACCIDENTS	517	55.3	5	80.1	7	139.1	-	-	3	42.0	3	147.3	2	210.3	55	40.2
DIABETES	283	30.2	6	96.2	2	39.8	-	-	5	70.0	1	49.1	-	-	38	27.8
ALZHEIMER'S DISEASE	267	28.5	-	-	2	39.8	-	-	2	28.0	-	-	2	210.3	38	27.8
PNEUMONIA AND INFLUENZA	212	22.7	4	64.1	5	99.4	1	145.1	-	-	-	-	-	-	21	15.4
SUICIDE	205	21.9	-	-	1	19.9	-	-	3	42.0	-	-	-	-	34	24.9
CHRONIC LIVER DISEASE & CIRRHOSIS	120	12.8	-	-	-	-	-	-	1	14.0	-	-	-	-	15	11.0
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,556	12.4	3	0.5	30	6.0	-	-	166	23.2	-	-	-	-	2,455	18.0
DEATHS (EXCLUDING FETAL), TOTAL	8,554	9.1	56	9.0	56	11.1	1	1.5	69	9.7	22	10.8	16	16.8	1,526	11.2
INFANT (UNDER 1 YEAR)	73	6.3	-	-	-	-	-	-	-	-	-	-	-	-	21	8.6
ACCIDENTAL	563	0.6	2	0.3	7	1.4	-	-	3	0.4	6	2.9	2	2.1	89	0.7
MOTOR VEHICLE	274	0.3	-	-	3	0.6	-	-	2	0.3	4	2.0	2	2.1	43	0.3
OTHER ACCIDENTAL	289	0.3	2	0.3	4	0.8	-	-	1	0.1	2	1.0	-	-	46	0.3
MARRIAGES SOLUMNIZED	6,964	7.4	24	3.8	38	7.6	3	4.4	47	6.6	9	4.4	5	5.3	938	6.9
MARITAL TERMINATIONS#	3,983	4.3	12	1.9	12	2.4	2	2.9	21	2.9	2	1.0	-	0.0	679	5.0

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S.+
TOTAL											
LIVE BIRTHS											
NUMBER	11,573	16	349	836	3,314	3,318	2,370	1,096	256	16	2
PERCENT	100.0	0.1	3.0	7.2	28.6	28.7	20.5	9.5	2.2	0.1	-
FETAL DEATHS											
NUMBER	54	-	1	-	18	17	8	6	4	-	-
PERCENT	100.0	-	1.9	-	33.3	31.5	14.8	11.1	7.4	-	-
INDUCED ABORTIONS											
NUMBER	1,981	6	180	242	691	385	263	151	60	2	1
PERCENT	100.0	0.3	9.1	12.2	34.9	19.4	13.3	7.6	3.0	0.1	0.1
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	96	-	1	5	31	31	12	14	1	-	1
PERCENT	100.0	-	1.0	5.2	32.3	32.3	12.5	14.6	1.0	-	1.0
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	-	-	7	3	1	1	-	-	-
PERCENT	100.0	-	-	-	58.3	25.0	8.3	8.3	-	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	237	1	25	24	70	64	40	8	4	1	-
PERCENT	100.0	0.4	10.5	10.1	29.5	27.0	16.9	3.4	1.7	0.4	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	-	-	1	-	-
PERCENT	100.0	-	-	-	50.0	-	-	-	50.0	-	-
INDUCED ABORTIONS											
NUMBER	26	-	5	1	9	8	2	1	-	-	-
PERCENT	100.0	-	19.2	3.8	34.6	30.8	7.7	3.8	-	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	121	3	10	19	35	26	22	4	2	-	-
PERCENT	100.0	2.5	8.3	15.7	28.9	21.5	18.2	3.3	1.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	2	-	2	-	-	-	-	-	-
PERCENT	100.0	-	50.0	-	50.0	-	-	-	-	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	34	-	2	1	11	8	5	5	2	-	-
PERCENT	100.0	-	5.9	2.9	32.4	23.5	14.7	14.7	5.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	1	2	-	3	1	1	-	-
PERCENT	100.0	-	11.1	11.1	22.2	-	33.3	11.1	11.1	-	-
CARBON											
LIVE BIRTHS											
NUMBER	68	-	-	1	16	21	17	11	2	-	-
PERCENT	100.0	-	-	1.5	23.5	30.9	25.0	16.2	2.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	2	2	1	7	2	2	1	-	-
PERCENT	100.0	-	11.8	11.8	5.9	41.2	11.8	11.8	5.9	-	-
CARTER											
LIVE BIRTHS											
NUMBER	9	-	-	-	1	4	1	2	1	-	-
PERCENT	100.0	-	-	-	11.1	44.4	11.1	22.2	11.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
CASCADE											
LIVE BIRTHS											
NUMBER	1,094	1	36	106	393	287	166	87	18	-	-
PERCENT	100.0	0.1	3.3	9.7	35.9	26.2	15.2	8.0	1.6	-	-
FETAL DEATHS											
NUMBER	7	-	-	-	1	2	2	2	-	-	-
PERCENT	100.0	-	-	-	14.3	28.6	28.6	28.6	-	-	-
INDUCED ABORTIONS											
NUMBER	150	1	17	20	57	27	14	10	4	-	-
PERCENT	100.0	0.7	11.3	13.3	38.0	18.0	9.3	6.7	2.7	-	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	41	-	-	2	4	16	10	7	2	-	-
PERCENT	100.0	-	-	4.9	9.8	39.0	24.4	17.1	4.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	2	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	145	-	2	7	45	41	35	11	4	-	-
PERCENT	100.0	-	1.4	4.8	31.0	28.3	24.1	7.6	2.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	19	-	3	2	6	4	2	-	2	-	-
PERCENT	100.0	-	15.8	10.5	31.6	21.1	10.5	-	10.5	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	13	-	-	-	1	6	3	3	-	-	-
PERCENT	100.0	-	-	-	7.7	46.2	23.1	23.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	97	-	2	8	34	22	21	7	2	1	-
PERCENT	100.0	-	2.1	8.2	35.1	22.7	21.6	7.2	2.1	1.0	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	1	-	3	-	-	-	-	-	-
PERCENT	100.0	-	25.0	-	75.0	-	-	-	-	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	60	1	1	5	20	19	10	4	-	-	-
PERCENT	100.0	1.7	1.7	8.3	33.3	31.7	16.7	6.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	3	1	1	5	4	2	-	-	-
PERCENT	100.0	-	18.8	6.3	6.3	31.3	25.0	12.5	-	-	-
FALLON											
LIVE BIRTHS											
NUMBER	34	-	-	1	14	10	9	-	-	-	-
PERCENT	100.0	-	-	2.9	41.2	29.4	26.5	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	2	-	-	-	-	-	-	-
PERCENT	100.0	-	-	100.0	-	-	-	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	90	-	1	2	24	29	21	9	4	-	-
PERCENT	100.0	-	1.1	2.2	26.7	32.2	23.3	10.0	4.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	1	-	3	1	1	-	-	-	-
PERCENT	100.0	-	16.7	-	50.0	16.7	16.7	-	-	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	1,067	-	19	66	295	328	213	120	26	-	-
PERCENT	100.0	-	1.8	6.2	27.6	30.7	20.0	11.2	2.4	-	-
FETAL DEATHS											
NUMBER	5	-	-	-	1	3	-	-	1	-	-
PERCENT	100.0	-	-	-	20.0	60.0	-	-	20.0	-	-
INDUCED ABORTIONS											
NUMBER	186	-	19	20	59	34	29	17	8	-	-
PERCENT	100.0	-	10.2	10.8	31.7	18.3	15.6	9.1	4.3	-	-
GALLATIN											
LIVE BIRTHS											
NUMBER	1,072	-	10	41	226	307	302	145	35	6	-
PERCENT	100.0	-	0.9	3.8	21.1	28.6	28.2	13.5	3.3	0.6	-
FETAL DEATHS											
NUMBER	5	-	-	-	2	-	1	1	1	-	-
PERCENT	100.0	-	-	-	40.0	-	20.0	20.0	20.0	-	-
INDUCED ABORTIONS											
NUMBER	188	-	12	24	64	40	21	17	9	1	-
PERCENT	100.0	-	6.4	12.8	34.0	21.3	11.2	9.0	4.8	0.5	-
GARFIELD											
LIVE BIRTHS											
NUMBER	15	-	1	1	5	5	3	-	-	-	-
PERCENT	100.0	-	6.7	6.7	33.3	33.3	20.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	-	1	-	-	-	-
PERCENT	100.0	-	-	50.0	-	-	50.0	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	259	2	26	31	88	62	33	16	1	-	-
PERCENT	100.0	0.8	10.0	12.0	34.0	23.9	12.7	6.2	0.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	43	-	9	10	13	6	3	2	-	-	-
PERCENT	100.0	-	20.9	23.3	30.2	14.0	7.0	4.7	-	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	4	-	1	1	-	2	-	-	-	-	-
PERCENT	100.0	-	25.0	25.0	-	50.0	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	28	-	-	4	6	6	7	4	1	-	-
PERCENT	100.0	-	-	14.3	21.4	21.4	25.0	14.3	3.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	2	-	1	-	-	-	-
PERCENT	100.0	-	-	-	66.7	-	33.3	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
HILL											
LIVE BIRTHS											
NUMBER	256	1	17	27	73	71	46	16	4	1	-
PERCENT	100.0	0.4	6.6	10.5	28.5	27.7	18.0	6.3	1.6	0.4	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	22	-	2	2	6	7	2	3	-	-	-
PERCENT	100.0	-	9.1	9.1	27.3	31.8	9.1	13.6	-	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	95	-	2	5	17	19	35	14	3	-	-
PERCENT	100.0	-	2.1	5.3	17.9	20.0	36.8	14.7	3.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	1	1	2	6	1	2	-	1	-	-
PERCENT	100.0	7.1	7.1	14.3	42.9	7.1	14.3	-	7.1	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	11	-	-	1	3	5	2	-	-	-	-
PERCENT	100.0	-	-	9.1	27.3	45.5	18.2	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	388	1	26	35	128	111	58	25	4	-	-
PERCENT	100.0	0.3	6.7	9.0	33.0	28.6	14.9	6.4	1.0	-	-
FETAL DEATHS											
NUMBER	6	-	-	-	4	2	-	-	-	-	-
PERCENT	100.0	-	-	-	66.7	33.3	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	60	-	6	3	28	8	9	4	2	-	-
PERCENT	100.0	-	10.0	5.0	46.7	13.3	15.0	6.7	3.3	-	-
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	650	1	24	51	187	179	141	54	13	-	-
PERCENT	100.0	0.2	3.7	7.8	28.8	27.5	21.7	8.3	2.0	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	1	2	-	-	-	-	-
PERCENT	100.0	-	-	-	33.3	66.7	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	119	-	11	11	45	19	16	13	4	-	-
PERCENT	100.0	-	9.2	9.2	37.8	16.0	13.4	10.9	3.4	-	-
LIBERTY											
LIVE BIRTHS											
NUMBER	14	-	-	1	4	2	5	2	-	-	-
PERCENT	100.0	-	-	7.1	28.6	14.3	35.7	14.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	174	-	-	17	69	42	21	20	5	-	-
PERCENT	100.0	-	-	9.8	39.7	24.1	12.1	11.5	2.9	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
INDUCED ABORTIONS											
NUMBER	17	-	3	-	3	5	3	2	1	-	-
PERCENT	100.0	-	17.6	-	17.6	29.4	17.6	11.8	5.9	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
MCCONE											
LIVE BIRTHS											
NUMBER	18	-	3	1	5	3	4	2	-	-	-
PERCENT	100 0	-	16 7	5 6	27 8	16 7	22 2	11 1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	57	-	2	2	11	6	15	17	4	-	-
PERCENT	100.0	-	3 5	3.5	19.3	10.5	26.3	29.8	7.0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	1	1	1	4	1	-	-	-
PERCENT	100 0	-	-	12 5	12 5	12 5	50 0	12 5	-	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	18	-	-	3	2	7	3	3	-	-	-
PERCENT	100 0	-	-	16.7	11.1	38.9	16.7	16.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100 0	-	-	-	-	-	-	100 0	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	45	-	1	2	16	17	7	2	-	-	-
PERCENT	100 0	-	2 2	4.4	35.6	37.8	15.6	4 4	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	4	2	2	1	-	3	1	-	-
PERCENT	100 0	-	30 8	15 4	15 4	7 7	-	23 1	7 7	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,155	2	17	56	300	373	264	111	31	1	-
PERCENT	100 0	0 2	1.5	4 8	26 0	32.3	22.9	9.6	2.7	0 1	-
FETAL DEATHS											
NUMBER	4	-	-	-	1	-	1	2	-	-	-
PERCENT	100.0	-	-	-	25.0	-	25 0	50.0	-	-	-
INDUCED ABORTIONS											
NUMBER	396	-	27	62	160	70	45	21	11	-	-
PERCENT	100 0	-	6 8	15 7	40 4	17 7	11 4	5 3	2 8	-	-
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	43	-	-	7	12	10	10	4	-	-	-
PERCENT	100 0	-	-	16.3	27.9	23 3	23.3	9 3	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	1	-	2	1	-	-	-
PERCENT	100 0	-	-	-	25 0	-	50 0	25 0	-	-	-
PARK											
LIVE BIRTHS											
NUMBER	176	-	1	6	45	57	42	21	4	-	-
PERCENT	100.0	-	0 6	3.4	25 6	32.4	23.9	11 9	2.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	27	-	1	3	8	10	2	2	1	-	-
PERCENT	100 0	-	3 7	11.1	29 6	37.0	7 4	7.4	3.7	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
PETROLEUM											
LIVE BIRTHS											
NUMBER	5	-	-	-	-	1	1	3	-	-	-
PERCENT	100.0	-	-	-	-	20.0	20.0	60.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	33	-	1	-	11	13	1	3	3	1	-
PERCENT	100.0	-	3.0	-	33.3	39.4	3.0	9.1	9.1	3.0	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	1	-	2	-	-	-	-
PERCENT	100.0	-	-	-	33.3	-	66.7	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	80	-	7	6	21	24	15	6	1	-	-
PERCENT	100.0	-	8.8	7.5	26.3	30.0	18.8	7.5	1.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	1	-	1	-	2	-	-	-
PERCENT	100.0	-	20.0	20.0	-	20.0	-	40.0	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	9	-	-	-	3	4	2	-	-	-	-
PERCENT	100.0	-	-	-	33.3	44.4	22.2	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	58	-	1	8	16	20	8	2	3	-	-
PERCENT	100.0	-	1.7	13.8	27.6	34.5	13.8	3.4	5.2	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	-	3	-	1	-	-	-	-
PERCENT	100.0	-	20.0	-	60.0	-	20.0	-	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	3	-	-	-	-	1	1	1	-	-	-
PERCENT	100.0	-	-	-	-	33.3	33.3	33.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	-	-	1	-	-	-
PERCENT	100.0	-	-	50.0	-	-	-	50.0	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	460	-	12	31	124	131	104	49	8	1	-
PERCENT	100.0	-	2.6	6.7	27.0	28.5	22.6	10.7	1.7	0.2	-
FETAL DEATHS											
NUMBER	3	-	1	-	-	2	-	-	-	-	-
PERCENT	100.0	-	33.3	-	-	66.7	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	49	1	6	6	12	7	9	7	1	-	-
PERCENT	100.0	2.0	12.2	12.2	24.5	14.3	18.4	14.3	2.0	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
RICHLAND											
LIVE BIRTHS											
NUMBER	97	1	2	6	32	34	16	5	1	-	-
PERCENT	100.0	1.0	2.1	6.2	33.0	35.1	16.5	5.2	1.0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	2	-	1	1	2	2	-	-	-
PERCENT	100.0	-	25.0	-	12.5	12.5	25.0	25.0	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	231	1	16	30	78	52	36	15	3	-	-
PERCENT	100.0	0.4	6.9	13.0	33.8	22.5	15.6	6.5	1.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	27	-	6	4	6	8	1	2	-	-	-
PERCENT	100.0	-	22.2	14.8	22.2	29.6	3.7	7.4	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	174	-	7	20	64	38	26	17	2	-	-
PERCENT	100.0	-	4.0	11.5	36.8	21.8	14.9	9.8	1.1	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	1	2	4	3	5	1	1	-	-
PERCENT	100.0	-	5.9	11.8	23.5	17.6	29.4	5.9	5.9	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	90	-	2	8	30	22	15	9	4	-	-
PERCENT	100.0	-	2.2	8.9	33.3	24.4	16.7	10.0	4.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	-	1	8	2	1	-	-	1	-
PERCENT	100.0	-	-	7.7	61.5	15.4	7.7	-	-	7.7	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	22	-	-	1	6	10	4	1	-	-	-
PERCENT	100.0	-	-	4.5	27.3	45.5	18.2	4.5	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	376	-	14	32	105	109	72	31	13	-	-
PERCENT	100.0	-	3.7	8.5	27.9	29.0	19.1	8.2	3.5	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	65	1	5	6	21	15	5	9	3	-	-
PERCENT	100.0	1.5	7.7	9.2	32.3	23.1	7.7	13.8	4.6	-	-
STILLWATER											
LIVE BIRTHS											
NUMBER	106	-	2	4	21	43	21	9	4	2	-
PERCENT	100.0	-	1.9	3.8	19.8	40.6	19.8	8.5	3.8	1.9	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	4	1	3	2	-	-	1	-	-
PERCENT	100.0	-	36.4	9.1	27.3	18.2	-	-	9.1	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
SWEET GRASS											
LIVE BIRTHS											
NUMBER	41	-	-	1	11	12	11	3	2	1	-
PERCENT	100.0	-	-	2.4	26.8	29.3	26.8	7.3	4.9	2.4	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	1	-	5	1	1	-	-	-	-
PERCENT	100.0	-	12.5	-	62.5	12.5	12.5	-	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	64	-	-	4	15	23	12	8	2	-	-
PERCENT	100.0	-	-	6.3	23.4	35.9	18.8	12.5	3.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	-	-	1	-	-
PERCENT	100.0	-	-	-	50.0	-	-	-	50.0	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	49	-	2	5	14	12	10	6	-	-	-
PERCENT	100.0	-	4.1	10.2	28.6	24.5	20.4	12.2	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	1	1	1	-	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	33.3	-	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	5	-	-	-	2	2	1	-	-	-	-
PERCENT	100.0	-	-	-	40.0	40.0	20.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	82	-	1	5	30	16	19	10	1	-	-
PERCENT	100.0	-	1.2	6.1	36.6	19.5	23.2	12.2	1.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	1	3	-	1	1	-	-	-
PERCENT	100.0	-	-	16.7	50.0	-	16.7	16.7	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	22	-	-	3	4	6	5	3	1	-	-
PERCENT	100.0	-	-	13.6	18.2	27.3	22.7	13.6	4.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	1	-	1	1	-	-	-	-
PERCENT	100.0	-	-	33.3	-	33.3	33.3	-	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	6	-	1	-	2	1	1	1	-	-	-
PERCENT	100.0	-	16.7	-	33.3	16.7	16.7	16.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,876	1	51	133	534	548	406	166	35	1	1
PERCENT	100.0	0.1	2.7	7.1	28.5	29.2	21.6	8.8	1.9	0.1	0.1
FETAL DEATHS											
NUMBER	8	-	-	-	2	5	1	-	-	-	-
PERCENT	100.0	-	-	-	25.0	62.5	12.5	-	-	-	-
INDUCED ABORTIONS											
NUMBER	366	2	23	45	128	83	59	19	7	-	-
PERCENT	100.0	0.5	6.3	12.3	35.0	22.7	16.1	5.2	1.9	-	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	-	3	2	1	4	3	-	-	1
PERCENT	100.0	-	-	21.4	14.3	7.1	28.6	21.4	-	-	7.1

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE P-1

MONTANA RESIDENT POPULATION BY COUNTY
MONTANA, 2000 - 2005

COUNTY	2005 U.S. CENSUS EST. POPULATION	2004 U.S. CENSUS EST. POPULATION	2003 U.S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS EST. POPULATION
MONTANA, TOTAL	935,670	926,920	917,885	910,395	906,098	903,510
BEAVERHEAD	8,773	8,824	8,919	9,000	9,076	9,198
BIG HORN	13,149	13,076	12,897	12,829	12,817	12,675
BLAINE	6,629	6,673	6,765	6,816	6,824	6,987
BROADWATER	4,517	4,526	4,418	4,410	4,402	4,372
CARBON	9,902	9,770	9,751	9,727	9,662	9,556
CARTER	1,320	1,337	1,332	1,359	1,362	1,349
CASCADE	79,569	79,938	79,801	79,742	79,855	80,242
CHOUTEAU	5,463	5,546	5,585	5,644	5,772	5,982
CUSTER	11,267	11,427	11,353	11,434	11,471	11,666
DANIELS	1,836	1,847	1,918	1,934	2,014	2,012
DAWSON	8,688	8,657	8,742	8,734	8,917	9,044
DEER LODGE	8,948	8,968	8,979	9,072	9,204	9,389
FALLON	2,717	2,771	2,768	2,727	2,754	2,812
FERGUS	11,551	11,619	11,653	11,677	11,761	11,897
FLATHEAD	83,172	81,114	79,435	77,449	76,100	74,743
GALLATIN	78,210	75,632	73,331	71,076	69,795	68,276
GARFIELD	1,199	1,228	1,240	1,244	1,262	1,268
GLACIER	13,552	13,527	13,291	13,203	13,129	13,209
GOLDEN VALLEY	1,159	1,105	1,054	1,066	1,015	1,023
GRANITE	2,965	2,894	2,888	2,869	2,880	2,843
HILL	16,304	16,343	16,281	16,360	16,532	16,636
JEFFERSON	11,170	10,863	10,550	10,415	10,221	10,085
JUDITH BASIN	2,198	2,204	2,194	2,256	2,258	2,336
LAKE	28,297	27,915	27,370	26,997	26,948	26,633
LEWIS & CLARK	58,449	57,932	57,165	56,452	56,246	55,882
LIBERTY	2,003	2,035	2,042	2,019	2,102	2,150
LINCOLN	19,193	19,065	18,899	18,739	18,729	18,842
MCCONE	1,805	1,789	1,809	1,842	1,900	1,966
MADISON	7,274	7,094	6,941	6,968	6,899	6,872
MEAGHER	1,999	2,004	1,969	1,936	1,953	1,932
MINERAL	4,014	3,880	3,870	3,815	3,848	3,883
MISSOULA	100,086	99,063	98,435	97,792	96,684	96,083
MUSSELSHELL	4,497	4,514	4,486	4,460	4,446	4,500
PARK	15,968	15,774	15,777	15,833	15,726	15,726
PETROLEUM	470	499	493	487	478	492
PHILLIPS	4,179	4,240	4,263	4,353	4,448	4,557
PONDERA	6,087	6,108	6,193	6,257	6,358	6,375
POWDER RIVER	1,705	1,766	1,830	1,827	1,815	1,858
POWELL	6,999	6,914	6,946	7,040	7,058	7,183
PRAIRIE	1,105	1,140	1,166	1,187	1,214	1,188
RAVALLI	39,940	39,470	38,739	37,737	36,907	36,341
RICHLAND	9,096	9,077	9,175	9,273	9,443	9,627
ROOSEVELT	10,524	10,576	10,416	10,432	10,573	10,628
ROSEBUD	9,212	9,227	9,311	9,273	9,270	9,385
SANDERS	11,057	10,896	10,515	10,433	10,456	10,252
SHERIDAN	3,524	3,638	3,657	3,806	3,947	4,082
SILVER BOW	32,982	33,067	33,222	33,438	33,768	34,526
STILLWATER	8,493	8,428	8,447	8,454	8,376	8,224
SWEET GRASS	3,672	3,697	3,615	3,623	3,606	3,635
TETON	6,240	6,258	6,382	6,318	6,410	6,438
TOOLE	5,031	5,143	5,215	5,321	5,303	5,261
TREASURE	689	736	744	776	820	855
VALLEY	7,143	7,243	7,299	7,397	7,533	7,639
WHEATLAND	2,037	2,063	2,101	2,168	2,161	2,252
WIBAUX	951	974	983	1,001	1,018	1,073
YELLOWSTONE	136,691	134,806	133,265	131,898	130,572	129,570

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER. POPULATION ESTIMATES FOR PREVIOUS YEARS MAY BE REVISED ANNUALLY BY THE U.S.CENSUS BUREAU.

TABLE B-1

FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 2001 - 2005

ITEM	2005		2004		2003		2002		2001	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	11,573	100.0	11,514	100.0	11,384	100.0	11,045	100.0	10,947	100
SEX										
MALE	5,918	51.1	5,880	51.1	5,797	50.9	5,616	50.8	5,575	51
FEMALE	5,655	48.9	5,633	48.9	5,587	49.1	5,429	49.2	5,371	49
UNKNOWN	-	-	1	-	-	-	-	-	1	-
LEGITIMACY										
IN WEDLOCK	7,564	65.4	7,561	65.7	7,717	67.8	7,415	67.1	7,509	69
OUT OF WEDLOCK	3,993	34.5	3,938	34.2	3,656	32.1	3,624	32.8	3,429	31
NOT STATED	16	0.1	15	0.1	11	0.1	6	0.1	9	0
PLURALITY										
SINGLE	11,278	97.5	11,135	96.7	11,072	97.3	10,718	97.0	10,616	97
TWINS	286	2.5	359	3.1	305	2.7	317	2.9	299	3
TRIPLETS OR MORE	7	0.1	19	0.2	7	0.1	9	0.1	30	0
NOT STATED	2	-	1	-	-	-	1	-	2	-
PARITY										
FIRST BIRTH	4,524	39.1	4,446	38.6	4,329	38.0	4,313	39.0	4,162	38
SECOND BIRTH	3,538	30.6	3,615	31.4	3,620	31.8	3,556	32.2	3,470	32
THIRD BIRTH	1,995	17.2	2,023	17.6	2,013	17.7	1,878	17.0	1,908	17
FOURTH BIRTH	898	7.8	868	7.5	814	7.2	763	6.9	792	7
FIFTH BIRTH	349	3.0	293	2.5	324	2.8	296	2.7	331	3
SIXTH BIRTH	125	1.1	125	1.1	139	1.2	120	1.1	128	1
SEVENTH BIRTH	63	0.5	63	0.5	67	0.6	55	0.5	65	1
EIGHTH BIRTH	34	0.3	29	0.3	29	0.3	32	0.3	43	0
NINTH OR MORE	33	0.3	42	0.4	42	0.4	29	0.3	44	0
NOT STATED	14	0.1	10	0.1	7	0.1	3	0.3	4	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-2

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURRENCE
MONTANA, 2005

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,556	11,263	97.5%	2	0.0%	291	2.5%
BEAVERHEAD	88	86	97.7%	-	-	2	2.3%
BIG HORN	192	192	100.0%	-	-	-	-
BLAINE	3	2	66.7%	1	33.3%	-	-
BROADWATER	-	-	-	-	-	-	-
CARBON	3	3	100.0%	-	-	-	-
CARTER	-	-	-	-	-	-	-
CASCADE	1,373	1,361	99.1%	-	-	12	0.9%
CHOUTEAU	-	-	-	-	-	-	-
CUSTER	253	253	100.0%	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	79	78	98.7%	-	-	1	1.3%
DEER LODGE	41	41	100.0%	-	-	-	-
FALLON	-	-	-	-	-	-	-
FERGUS	84	84	100.0%	-	-	-	-
FLATHEAD	1,120	1,080	96.4%	-	-	40	3.6%
GALLATIN	1,101	1,050	95.4%	-	-	51	-
GARFIELD	-	-	-	-	-	-	-
GLACIER	222	220	99.1%	-	-	2	0.9%
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-
HILL	361	359	99.4%	-	-	2	0.6%
JEFFERSON	1	-	-	-	-	1	100.0%
JUDITH BASIN	1	-	-	-	-	1	100.0%
LAKE	279	271	97.1%	-	-	8	2.9%
LEWIS & CLARK	722	718	99.4%	-	-	4	0.6%
LIBERTY	13	13	100.0%	-	-	-	-
LINCOLN	104	100	96.2%	-	-	4	3.8%
MCCONE	-	-	-	-	-	-	-
MADISON	3	-	-	-	-	3	100.0%
MEAGHER	-	-	-	-	-	-	-
MINERAL	1	1	100.0%	-	-	-	-
MISSOULA	1,650	1,593	96.5%	-	-	57	3.5%
MUSSELSHELL	-	-	-	-	-	-	-
PARK	185	163	88.1%	-	-	22	11.9%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	1	-	-	-	-	1	100.0%
PONDERA	50	50	100.0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	21	18	85.7%	-	-	3	14.3%
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	240	196	81.7%	-	-	44	18.3%
RICHLAND	104	103	99.0%	-	-	1	1.0%
ROOSEVELT	107	106	99.1%	-	-	1	0.9%
ROSEBUD	5	1	20.0%	1	20.0%	3	60.0%
SANDERS	39	35	89.7%	-	-	4	10.3%
SHERIDAN	15	15	100.0%	-	-	-	-
SILVER BOW	437	436	99.8%	-	-	1	0.2%
STILLWATER	4	-	-	-	-	4	100.0%
SWEET GRASS	-	-	-	-	-	-	-
TETON	3	-	-	-	-	3	100.0%
TOOLE	30	29	96.7%	-	-	1	3.3%
TREASURE	-	-	-	-	-	-	-
VALLEY	166	166	100.0%	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,455	2,440	99.4%	-	-	15	0.6%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

TABLE B-3

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,573	60	0.5	54	0.5	658	5.7	9,898	85.5	897	7.8	6	0.1
BEAVERHEAD	96	1	1.0	-	-	6	6.3	84	87.5	5	5.2	-	-
BIG HORN	237	2	0.8	-	-	10	4.2	201	84.8	24	10.1	-	-
BLAINE	121	2	1.7	1	0.8	15	12.4	98	81.0	5	4.1	-	-
BROADWATER	34	-	-	-	-	2	5.9	28	82.4	4	11.8	-	-
CARBON	68	-	-	-	-	8	11.8	55	80.9	5	7.4	-	-
CARTER	9	-	-	-	-	1	11.1	8	88.9	-	-	-	-
CASCADE	1,094	6	0.5	5	0.5	63	5.8	934	85.4	86	7.9	-	-
CHOUTEAU	41	1	2.4	-	-	1	2.4	35	85.4	4	9.8	-	-
CUSTER	145	-	-	1	0.7	10	6.9	124	85.5	10	6.9	-	-
DANIELS	13	-	-	-	-	1	7.7	12	92.3	-	-	-	-
DAWSON	97	-	-	2	2.1	9	9.3	83	85.6	3	3.1	-	-
DEER LODGE	60	1	1.7	-	-	5	8.3	53	88.3	1	1.7	-	-
FALLON	34	-	-	1	2.9	1	2.9	30	88.2	2	5.9	-	-
FERGUS	90	-	-	1	1.1	2	2.2	78	86.7	8	8.9	1	1.1
FLATHEAD	1,067	5	0.5	3	0.3	56	5.2	890	83.4	111	10.4	2	0.2
GALLATIN	1,072	2	0.2	4	0.4	57	5.3	932	86.9	77	7.2	-	-
GARFIELD	15	-	-	-	-	1	6.7	11	73.3	3	20.0	-	-
GLACIER	259	-	-	2	0.8	18	6.9	213	82.2	25	9.7	1	0.4
GOLDEN VALLEY	4	-	-	-	-	-	-	4	100.0	-	-	-	-
GRANITE	28	-	-	-	-	1	3.6	24	85.7	3	10.7	-	-
HILL	256	-	-	1	0.4	13	5.1	224	87.5	18	7.0	-	-
JEFFERSON	95	-	-	1	1.1	3	3.2	78	82.1	13	13.7	-	-
JUDITH BASIN	11	-	-	-	-	-	-	11	100.0	-	-	-	-
LAKE	388	2	0.5	-	-	28	7.2	335	86.3	23	5.9	-	-
LEWIS & CLARK	650	8	1.2	4	0.6	39	6.0	564	86.8	35	5.4	-	-
LIBERTY	14	-	-	-	-	1	7.1	12	85.7	1	7.1	-	-
LINCOLN	174	-	-	-	-	9	5.2	150	86.2	15	8.6	-	-
MCCONE	18	-	-	-	-	-	-	16	88.9	2	11.1	-	-
MADISON	57	-	-	1	1.8	-	-	50	87.7	6	10.5	-	-
MEAGHER	18	-	-	-	-	1	5.6	17	94.4	-	-	-	-
MINERAL	45	-	-	-	-	5	11.1	39	86.7	1	2.2	-	-
MISSOULA	1,155	7	0.6	6	0.5	74	6.4	979	84.8	89	7.7	-	-
MUSSELSHELL	43	-	-	-	-	4	9.3	36	83.7	3	7.0	-	-
PARK	176	-	-	1	0.6	8	4.5	155	88.1	12	6.8	-	-
PETROLEUM	5	-	-	-	-	1	20.0	4	80.0	-	-	-	-
PHILLIPS	33	-	-	-	-	2	6.1	28	84.8	3	9.1	-	-
PONDERA	80	-	-	-	-	4	5.0	72	90.0	4	5.0	-	-
POWDER RIVER	9	-	-	-	-	1	11.1	8	88.9	-	-	-	-
POWELL	58	-	-	-	-	2	3.4	51	87.9	5	8.6	-	-
PRAIRIE	3	-	-	-	-	-	-	2	66.7	1	33.3	-	-
RAVALLI	460	2	0.4	1	0.2	26	5.7	399	86.7	31	6.7	1	0.2
RICHLAND	97	-	-	1	1.0	2	2.1	90	92.8	4	4.1	-	-
ROOSEVELT	231	1	0.4	2	0.9	12	5.2	171	74.0	45	19.5	-	-
ROSEBUD	174	-	-	-	-	15	8.6	136	78.2	23	13.2	-	-
SANDERS	90	1	1.1	2	2.2	5	5.6	76	84.4	6	6.7	-	-
SHERIDAN	22	1	4.5	-	-	1	4.5	16	72.7	4	18.2	-	-
SILVER BOW	376	-	-	2	0.5	23	6.1	331	88.0	19	5.1	1	0.3
STILLWATER	106	5	4.7	-	-	3	2.8	89	84.0	9	8.5	-	-
SWEET GRASS	41	-	-	-	-	4	9.8	36	87.8	1	2.4	-	-
TETON	64	-	-	-	-	2	3.1	57	89.1	5	7.8	-	-
TOOLE	49	-	-	-	-	2	4.1	46	93.9	1	2.0	-	-
TREASURE	5	-	-	-	-	-	-	5	100.0	-	-	-	-
VALLEY	82	-	-	1	1.2	3	3.7	65	79.3	13	15.9	-	-
WHEATLAND	22	-	-	-	-	-	-	20	90.9	2	9.1	-	-
WIBAUX	6	-	-	-	-	1	16.7	5	83.3	-	-	-	-
YELLOWSTONE	1,876	13	0.7	11	0.6	97	5.2	1,628	86.8	127	6.8	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT HENCE, THE SUMS OF THE PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-4

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY OF RESIDENCE	TOTAL NUMBER	PRE-TERM						TERM				POST-TERM		NOT STATED	
		28 OR FEWER WEEKS		28-31 WEEKS		32-36 WEEKS		37-39 WEEKS		40-41 WEEKS		42 OR MORE WEEKS			
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,573	60	0.5	72	0.8	958	8.3	8,438	55.8	3,828	33.0	96	0.8	21	0.2
BEAVERHEAD	96	-	-	2	2.1	5	5.2	55	57.3	33	34.4	1	1.0	-	-
BIG HORN	237	2	0.8	-	-	18	7.8	124	52.3	93	39.2	-	-	-	-
BLAINE	121	3	2.5	3	2.5	14	11.8	75	62.0	25	20.7	1	0.8	-	-
BROADWATER	34	-	-	-	-	2	5.9	20	58.8	12	35.3	-	-	-	-
CARBON	68	-	-	-	-	5	7.4	43	63.2	20	29.4	-	-	-	-
CARTER	9	-	-	-	-	-	-	9	100.0	-	-	-	-	-	-
CASCADE	1,094	5	0.5	8	0.7	94	8.6	823	58.8	355	32.4	7	0.6	2	0.2
CHOUTEAU	41	1	2.4	-	-	4	9.8	25	61.0	9	22.0	2	4.9	-	-
CUSTER	145	-	-	-	-	13	9.0	106	73.1	26	17.9	-	-	-	-
DANIELS	13	-	-	-	-	-	-	8	48.2	7	53.8	-	-	-	-
DAWSON	97	-	-	-	-	7	7.2	64	66.0	25	25.8	1	1.0	-	-
DEER LODGE	60	1	1.7	2	3.3	2	3.3	31	51.7	24	40.0	-	-	-	-
FALLON	34	-	-	-	-	4	11.8	17	50.0	13	38.2	-	-	-	-
FERGUS	90	-	-	1	1.1	8	8.9	46	51.1	33	36.7	1	1.1	1	1.1
FLATHEAD	1,067	3	0.3	9	0.8	62	5.8	471	44.1	508	47.8	13	1.2	1	0.1
GALLATIN	1,072	2	0.2	4	0.4	96	9.0	614	57.3	344	32.1	11	1.0	1	0.1
GARFIELD	15	-	-	-	-	-	-	15	100.0	-	-	-	-	-	-
GLACIER	259	2	0.8	1	0.4	27	10.4	84	32.4	141	54.4	-	-	4	1.5
GOLDEN VALLEY	4	-	-	-	-	-	-	3	75.0	1	25.0	-	-	-	-
GRANITE	28	-	-	-	-	4	14.3	14	50.0	10	35.7	-	-	-	-
HILL	256	1	0.4	-	-	18	7.0	171	66.8	63	24.8	2	0.8	1	0.4
JEFFERSON	95	-	-	1	1.1	4	4.2	59	62.1	28	29.5	3	3.2	-	-
JUDITH BASIN	11	-	-	-	-	-	-	7	63.8	4	36.4	-	-	-	-
LAKE	366	1	0.3	3	0.8	47	12.1	228	59.0	104	26.6	3	0.8	1	0.3
LEWIS & CLARK	650	7	1.1	5	0.8	58	8.8	362	55.7	215	33.1	5	0.8	-	-
LIBERTY	14	-	-	-	-	-	-	9	64.3	5	35.7	-	-	-	-
LINCOLN	174	-	-	-	-	14	8.0	75	43.1	84	48.3	1	0.6	-	-
MCCONE	18	-	-	-	-	-	-	13	72.2	4	22.2	1	5.6	-	-
MADISON	57	-	-	1	1.8	5	8.8	33	57.9	18	28.1	2	3.5	-	-
MEAGHER	18	-	-	-	-	-	-	13	72.2	5	27.8	-	-	-	-
MINERAL	45	-	-	-	-	3	6.7	29	64.4	13	28.9	-	-	-	-
MISSOULA	1,155	8	0.5	8	0.7	107	9.3	641	55.5	383	33.2	8	0.5	4	0.3
MUSSELSHELL	43	-	-	-	-	6	14.0	28	65.1	9	20.9	-	-	-	-
PARK	178	-	-	1	0.6	11	6.3	88	50.0	75	42.6	1	0.6	-	-
PETROLEUM	5	-	-	-	-	-	-	5	100.0	-	-	-	-	-	-
PHILLIPS	33	-	-	-	-	3	9.1	22	66.7	7	21.2	1	3.0	-	-
PONDERA	80	-	-	-	-	9	11.3	43	53.8	28	35.0	-	-	-	-
POWDER RIVER	9	-	-	-	-	1	11.1	5	55.6	3	33.3	-	-	-	-
POWELL	58	-	-	-	-	3	5.2	34	58.6	20	34.5	1	1.7	-	-
PRAIRIE	3	-	-	-	-	-	-	2	66.7	1	33.3	-	-	-	-
RAVALLI	460	1	0.2	4	0.9	36	7.8	274	59.6	139	30.2	4	0.9	2	0.4
RICHLAND	97	-	-	1	1.0	8	8.2	53	54.6	34	35.1	-	-	1	1.0
ROOSEVELT	231	2	0.9	4	1.7	29	12.6	106	48.6	79	34.2	9	3.9	-	-
ROSEBUD	174	-	-	-	-	20	11.5	102	58.6	49	28.2	3	1.7	-	-
SANDERS	90	2	2.2	2	2.2	8	8.7	37	41.1	41	45.6	2	2.2	-	-
SHERIDAN	22	1	4.5	-	-	1	4.5	8	36.4	12	54.5	-	-	-	-
SILVER BOW	376	-	-	2	0.5	34	9.0	187	49.7	150	39.9	2	0.5	1	0.3
STILLWATER	108	5	4.7	-	-	4	3.8	73	68.9	24	22.6	-	-	-	-
SWEET GRASS	41	-	-	-	-	3	7.3	25	61.0	12	29.3	-	-	1	2.4
TETON	64	-	-	-	-	3	4.7	39	60.9	22	34.4	-	-	-	-
TOOLE	49	-	-	-	-	5	10.2	25	51.0	19	38.8	-	-	-	-
TREASURE	5	-	-	-	-	-	-	5	100.0	-	-	-	-	-	-
VALLEY	82	-	-	-	-	4	4.9	43	52.4	33	40.2	2	2.4	-	-
WHEATLAND	22	-	-	-	-	2	9.1	16	72.7	4	18.2	-	-	-	-
WIBAUX	8	-	-	-	-	1	12.5	3	50.0	2	33.3	-	-	-	-
YELLOWSTONE	1,878	15	0.8	10	0.5	150	8.0	1,127	60.1	582	30.0	11	0.8	1	0.1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERED IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2005

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	11,414	4,465	3,493	1,966	891	342	121	61	33	13	19	10
PERCENT	100.0	39.1	30.6	17.2	7.8	3.0	1.1	0.5	0.3	0.1	0.2	0.1
NONE												
NUMBER	-	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-	-
LESS THAN 8 YEARS												
NUMBER	30	10	7	8	2	2	1	-	-	-	-	-
PERCENT	100.0	33.3	23.3	26.7	6.7	6.7	3.3	-	-	-	-	-
8 YEARS												
NUMBER	229	79	56	39	28	14	7	4	1	-	1	-
PERCENT	100.0	34.5	24.5	17.0	12.2	6.1	3.1	1.7	0.4	-	0.4	-
9 YEARS												
NUMBER	339	144	82	61	25	14	6	2	2	2	-	1
PERCENT	100.0	42.5	24.2	18.0	7.4	4.1	1.8	0.6	0.6	0.6	-	0.3
10 YEARS												
NUMBER	540	247	133	86	38	20	4	1	6	1	2	2
PERCENT	100.0	45.7	24.6	15.9	7.0	3.7	0.7	0.2	1.1	0.2	0.4	0.4
11 YEARS												
NUMBER	589	251	148	102	54	20	6	5	2	-	-	1
PERCENT	100.0	42.6	25.1	17.3	9.2	3.4	1.0	0.8	0.3	-	-	0.2
12 YEARS												
NUMBER	3,852	1,509	1,136	675	311	114	51	25	13	7	8	3
PERCENT	100.0	39.2	29.5	17.5	8.1	3.0	1.3	0.6	0.3	0.2	0.2	0.1
1 YR COLLEGE												
NUMBER	1,020	360	321	190	89	42	9	6	2	-	1	-
PERCENT	100.0	35.3	31.5	18.6	8.7	4.1	0.9	0.6	0.2	-	0.1	-
2 YRS COLLEGE												
NUMBER	1,258	468	370	226	119	44	13	7	3	2	4	2
PERCENT	100.0	37.2	29.4	18.0	9.5	3.5	1.0	0.6	0.2	0.2	0.3	0.2
3 YRS COLLEGE												
NUMBER	474	147	172	93	44	10	4	3	1	-	-	-
PERCENT	100.0	31.0	36.3	19.6	9.3	2.1	0.8	0.6	0.2	-	-	-
4 YRS COLLEGE												
NUMBER	1,826	729	626	289	120	37	17	4	2	-	2	-
PERCENT	100.0	39.9	34.3	15.8	6.6	2.0	0.9	0.2	0.1	-	0.1	-
POST GRADUATE												
NUMBER	1,227	513	436	189	59	23	1	4	1	-	1	-
PERCENT	100.0	41.8	35.5	15.4	4.8	1.9	0.1	0.3	0.1	-	0.1	-
NOT STATED												
NUMBER	30	8	6	8	2	2	2	-	-	1	-	1
PERCENT	100.0	26.7	20.0	26.7	6.7	6.7	6.7	-	-	3.3	-	3.3

TABLE B-6

FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL HEALTH CARE BEGAN AND BY COUNTY OF RESIDENCE MONTANA, 2005

COUNTY	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA, TOTAL	11,573	1,361	5,348	2,907	859	433	230	134	62	32	72	135
BEAVERHEAD	96	4	32	39	10	1	3	1	1	-	-	5
BIG HORN	237	36	64	57	27	23	13	8	2	2	4	1
BLAINE	121	11	35	34	12	7	8	7	1	2	3	1
BROADWATER	34	1	22	8	1	1	-	1	-	-	-	-
CARBON	68	15	28	14	5	2	3	-	-	-	1	-
CARTER	9	-	3	4	1	-	1	-	-	-	-	-
CASCADE	1,094	325	429	217	47	33	10	5	2	-	8	18
CHOUTEAU	41	16	14	5	2	3	-	-	-	-	-	1
CUSTER	145	4	56	62	16	3	4	-	-	-	-	-
DANIELS	13	4	5	2	1	-	-	1	-	-	-	-
DAWSON	97	22	38	27	7	2	1	-	-	-	-	-
DEER LODGE	60	5	33	10	1	3	1	2	1	1	1	2
FALLON	34	1	12	14	4	1	-	-	-	1	-	1
FERGUS	90	2	37	34	11	1	-	1	1	-	1	2
FLATHEAD	1,067	72	486	331	90	42	23	12	2	-	4	5
GALLATIN	1,072	66	538	352	69	18	9	7	2	3	3	5
GARFIELD	15	2	6	6	1	-	-	-	-	-	-	-
GLACIER	259	34	79	49	37	18	8	4	8	3	9	10
GOLDEN VALLEY	4	-	1	2	1	-	-	-	-	-	-	-
GRANITE	28	5	9	8	3	1	2	-	-	-	-	-
HILL	256	15	96	71	24	23	13	4	6	1	1	2
JEFFERSON	95	7	53	16	7	5	1	4	1	-	-	1
JUDITH BASIN	11	2	1	5	2	1	-	-	-	-	-	-
LAKE	388	33	164	105	35	19	13	4	4	1	6	4
LEWIS & CLARK	650	53	386	119	44	24	8	11	-	1	1	3
LIBERTY	14	1	7	3	3	-	-	-	-	-	-	-
LINCOLN	174	22	67	49	8	9	4	1	1	-	1	12
MCCONE	18	3	5	6	3	1	-	-	-	-	-	-
MADISON	57	1	23	15	6	8	-	3	1	-	-	-
MEAGHER	18	2	11	2	3	-	-	-	-	-	-	-
MINERAL	45	1	20	13	4	4	3	-	-	-	-	-
MISSOULA	1,155	66	631	308	71	28	12	5	4	5	3	22
MUSSELSHELL	43	14	15	7	2	1	2	1	1	-	-	-
PARK	176	16	78	53	21	4	2	-	1	-	1	-
PETROLEUM	5	-	3	2	-	-	-	-	-	-	-	-
PHILLIPS	33	2	15	7	6	1	1	1	-	-	-	-
PONDERA	80	11	29	20	12	2	-	2	-	2	-	2
POWDER RIVER	9	-	3	2	1	2	-	1	-	-	-	-
POWELL	58	4	27	14	5	5	2	1	-	-	-	-
PRAIRIE	3	-	1	2	-	-	-	-	-	-	-	-
RAVALLI	460	67	219	120	26	11	4	6	-	-	2	5
RICHLAND	97	20	42	16	6	3	2	-	-	-	2	6
ROOSEVELT	231	19	74	59	33	18	12	9	1	1	3	2
ROSEBUD	174	16	65	37	19	9	8	6	4	1	8	1
SANDERS	90	12	30	18	11	7	-	1	-	-	-	11
SHERIDAN	22	9	9	2	1	-	1	-	-	-	-	-
SILVER BOW	376	4	240	70	24	12	8	9	4	2	1	2
STILLWATER	106	13	55	27	1	6	-	-	1	1	1	1
SWEET GRASS	41	4	22	12	3	-	-	-	-	-	-	-
TETON	64	8	18	20	7	4	3	-	2	-	1	1
TOOLE	49	13	9	15	4	4	1	1	-	-	-	2
TREASURE	5	1	4	-	-	-	-	-	-	-	-	-
VALLEY	82	4	46	18	9	1	2	1	-	-	-	1
WHEATLAND	22	3	7	6	1	1	3	1	-	-	-	-
WIBAUX	6	2	4	-	-	-	-	-	-	-	-	-
YELLOWSTONE	1,876	288	942	393	111	61	39	13	11	5	7	6
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	8,497	4,311	4,186	47	34	4	4	8	2	4	2	13	2
CERTAIN INFECTIOUS AND PARASITIC DISEASES	118	68	50	2	-	-	-	-	-	-	-	-	-
__INTESTINAL INFECTIOUS DISEASES	5	3	2	-	-	-	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	4	2	2	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	4	2	2	-	-	-	-	-	-	-	-	-	-
____(6) DIARRHEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN	1	1	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	2	2	-	-	-	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	2	2	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	69	36	33	1	-	-	-	-	-	-	-	-	-
____(15) WHOOPING COUGH	1	1	-	1	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	62	32	30	-	-	-	-	-	-	-	-	-	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	6	3	3	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	24	18	6	1	-	-	-	-	-	-	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	1	-	1	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	11	8	3	-	-	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	7	7	-	-	-	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	5	5	-	-	-	-	-	-	-	-	-	-	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	4	2	2	1	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	18	9	9	-	-	-	-	-	-	-	-	-	-
____(48) MYCOSES	1	1	-	-	-	-	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(56) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	16	8	8	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	2,018	1,048	970	-	-	-	-	-	-	-	-	2	-
__MALIGNANT NEOPLASMS	1,947	1,020	927	-	-	-	-	-	-	-	-	2	-
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	22	16	6	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	6	4	2	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	5	4	1	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	11	8	3	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	432	242	190	-	-	-	-	-	-	-	-	-	-
_____(60) OF ESOPHAGUS	46	33	13	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	27	16	11	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	5	3	2	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	187	99	88	-	-	-	-	-	-	-	-	-	-
_____(63) COLON	157	79	78	-	-	-	-	-	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	27	18	9	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS AND ANAL CANAL	3	2	1	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	41	27	14	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	31	21	10	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	10	6	4	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	8	1	7	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	113	60	53	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	5	3	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	560	309	251	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	9	7	2	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	550	301	249	-	-	-	-	-	-	-	-	-	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	1	1	-	-	-	-	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	6	4	2	-	-	-	-	-	-	-	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	35	21	14	-	-	-	-	-	-	-	-	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	30	16	14	-	-	-	-	-	-	-	-	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	5	5	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	35	20	15	-	-	-	-	-	-	-	-	-	-
_____(79) MESOTHELIOMA	11	7	4	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	24	13	11	-	-	-	-	-	-	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	134	-	134	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	110	-	110	-	-	-	-	-	-	-	-	-	-
_____(83) OF VULVA AND VAGINA	6	-	6	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	11	-	11	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	33	-	33	-	-	-	-	-	-	-	-	-	-
_____(86) OF OVARY	59	-	59	-	-	-	-	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	130	130	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	129	129	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	97	69	28	-	-	-	-	-	-	-	-	-	-
_____(92) OF KIDNEY AND RENAL PELVIS	48	35	13	-	-	-	-	-	-	-	-	-	-
_____(93) OF BLADDER	47	33	14	-	-	-	-	-	-	-	-	-	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	2	1	1	-	-	-	-	-	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	54	30	24	-	-	-	-	-	-	-	-	-	-
_____(96) OF BRAIN	54	30	24	-	-	-	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	4	1	3	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	126	65	61	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	201	112	89	-	-	-	-	-	-	-	-	2	-
_____(100) HODGKIN'S DISEASE	6	4	2	-	-	-	-	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	74	40	34	-	-	-	-	-	-	-	-	2	-
_____(101) NON-HODGKIN'S LYMPHOMA	74	40	34	-	-	-	-	-	-	-	-	2	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	39	20	19	-	-	-	-	-	-	-	-	-	-
_____LEUKEMIA	82	48	34	-	-	-	-	-	-	-	-	-	-
_____(105) LYMPHOID LEUKEMIA	24	14	10	-	-	-	-	-	-	-	-	-	-
_____(106) MYELOID LEUKEMIA	43	26	17	-	-	-	-	-	-	-	-	-	-
_____(107) MONOCYTIC LEUKEMIA	2	1	1	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	13	7	6	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	7	3	4	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	5	2	3	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	2	1	1	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	60	23	37	-	-	-	-	-	-	-	-	-	-
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	4	2	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	24	10	14	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	16	5	11	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	6	4	2	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	10	1	9	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	4	3	1	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	3	2	1	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	389	184	205	1	-	1	-	-	1	-	1	-	-
__ENDOCRINE DISEASES	292	139	153	-	-	-	-	-	-	-	-	-	-
___(123) DISORDERS OF THYROID GLAND	6	2	4	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	283	136	147	-	-	-	-	-	-	-	-	-	-
___(125) DISORDERS OF PITUITARY GLAND	1	1	-	-	-	-	-	-	-	-	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	1	-	1	-	-	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	35	16	19	-	-	-	-	-	-	-	-	-	-
___MALNUTRITION	10	4	6	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	10	4	6	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	25	12	13	-	-	-	-	-	-	-	-	-	-
__METABOLIC DISORDERS	62	29	33	1	-	1	-	-	1	-	1	-	-
___(133) CYSTIC FIBROSIS	2	1	1	-	-	-	-	-	-	-	1	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	24	8	16	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	36	20	16	1	-	1	-	-	1	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	337	117	220	-	-	-	-	-	-	-	-	-	-
__(136) ORGANIC DEMENTIA	263	69	194	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	3	-	3	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	61	46	15	-	-	-	-	-	-	-	-	-	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	38	30	8	-	-	-	-	-	-	-	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	23	16	7	-	-	-	-	-	-	-	-	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	3	-	3	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	4	1	3	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	2	1	1	-	-	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	1	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	473	192	281	-	1	-	-	-	-	-	1	-	-
__(145) MENINGITIS	5	1	4	-	1	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	3	2	1	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	75	41	34	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	267	75	192	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	18	8	10	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	13	7	6	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	5	3	2	-	-	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	87	55	32	-	-	-	-	-	-	-	1	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	1	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	2,554	1,282	1,272	-	1	-	-	2	-	-	-	2	-
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	16	3	13	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	16	3	13	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	6	1	5	-	-	-	-	-	-	-	-	-	-
_____(158) RHEUMATIC AORTIC VALVE DISEASE	2	1	1	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	4	1	3	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	4	-	4	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	118	34	84	-	-	-	-	-	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	35	4	31	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	49	18	31	-	-	-	-	-	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	26	10	16	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	8	2	6	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	1,076	656	420	-	-	-	-	-	-	-	-	-	-
___(166) ACUTE MYOCARDIAL INFARCTION	390	237	153	-	-	-	-	-	-	-	-	-	-
___(168) OTHER ACUTE ISCHEMIC HEART DISEASES	6	3	3	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	680	416	264	-	-	-	-	-	-	-	-	-	-
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE SO DESCRIBED	113	76	37	-	-	-	-	-	-	-	-	-	-
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	567	340	227	-	-	-	-	-	-	-	-	-	-
__OTHER HEART DISEASES	693	310	383	-	1	-	-	2	-	-	-	2	-
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	50	17	33	-	-	-	-	-	-	-	-	-	-
_____(169) PULMONARY EMBOLISM	26	11	15	-	-	-	-	-	-	-	-	-	-
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	24	6	18	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	643	293	350	-	1	-	-	2	-	-	-	2	-
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	5	3	2	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	5	3	2	-	1	-	-	-	-	-	-	1	-
_____OTHER DISEASES OF ENDOCARDIUM	96	35	61	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	11	4	7	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	62	23	39	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	23	8	15	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	66	35	31	-	-	-	-	1	-	-	-	1	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	151	70	81	-	-	-	-	1	-	-	-	-	-
_____HEART FAILURE	285	127	158	-	-	-	-	-	-	-	-	-	-
_____(178) CONGESTIVE HEART FAILURE	265	119	146	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	20	8	12	-	-	-	-	-	-	-	-	-	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	34	20	14	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	521	207	314	-	-	-	-	-	-	-	-	-	-
___(182) SUBARACHNOID HEMORRHAGE	18	6	12	-	-	-	-	-	-	-	-	-	-
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	75	36	39	-	-	-	-	-	-	-	-	-	-
___(184) CEREBRAL INFARCTION	15	6	9	-	-	-	-	-	-	-	-	-	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	290	110	180	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	123	49	74	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	114	63	51	-	-	-	-	-	-	-	-	-	-
___(187) ATHEROSCLEROSIS	30	15	15	-	-	-	-	-	-	-	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	48	34	14	-	-	-	-	-	-	-	-	-	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	36	14	22	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	16	9	7	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	10	4	6	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	6	5	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	956	487	469	1	1	1	-	-	-	1	-	-	-
__ACUTE UPPER RESPIRATORY INFECTIONS	4	3	1	1	-	-	-	-	-	-	-	-	-
___(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	4	3	1	1	-	-	-	-	-	-	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	952	484	468	-	1	1	-	-	-	1	-	-	-
___(195) INFLUENZA	26	10	16	-	-	-	-	-	-	1	-	-	-
___PNEUMONIA	186	89	97	-	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	4	2	2	-	-	-	-	-	-	-	-	-	-
_____(196) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	182	87	95	-	-	-	-	-	-	-	-	-	-
___OTHER ACUTE LOWE RESPIRATORY INFECTIONS	2	-	2	-	-	-	-	-	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	3	2	1	-	-	-	-	-	-	-	-	-	-
___CHRONIC LOWER RESPIRATORY DISEASE	580	291	289	-	-	-	-	-	-	-	-	-	-
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	579	291	288	-	-	-	-	-	-	-	-	-	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	62	32	30	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	506	255	251	-	-	-	-	-	-	-	-	-	-
_____(206) ASTHMA	10	4	6	-	-	-	-	-	-	-	-	-	-
_____(207) BRONCHIECTASIS	1	-	1	-	-	-	-	-	-	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	67	50	17	-	1	-	-	-	-	-	-	-	-
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	7	6	1	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	60	44	16	-	1	-	-	-	-	-	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	59	44	15	-	-	-	-	-	-	-	-	-	-
_____(210) OTHER PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	1	-	1	-	1	-	-	-	-	-	-	-	-
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	3	2	1	-	-	-	-	-	-	-	-	-	-
___(213) PLEURAL EFFUSION AND PLAQUE	1	-	1	-	-	-	-	-	-	-	-	-	-
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	84	40	44	-	-	1	-	-	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	344	175	169	-	1	-	-	-	-	-	-	-	-
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	3	2	1	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	341	173	168	-	1	-	-	-	-	-	-	-	-
___(218) DISEASES OF ESOPHAGUS	11	5	6	-	-	-	-	-	-	-	-	-	-
___PEPTIC ULCER	12	4	8	-	-	-	-	-	-	-	-	-	-
_____(217) GASTRIC ULCER	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	5	1	4	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	5	2	3	-	-	-	-	-	-	-	-	-	-
_____(220) GASTROJEJUNAL ULCER	1	1	-	-	-	-	-	-	-	-	-	-	-
___(221) GASTRITIS AND DUODENITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	4	3	1	-	-	-	-	-	-	-	-	-	-
___(223) DISEASES OF APPENDIX	3	2	1	-	-	-	-	-	-	-	-	-	-
___(224) HENIA	4	2	2	-	-	-	-	-	-	-	-	-	-
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	3	1	2	-	-	-	-	-	-	-	-	-	-
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	49	27	22	-	1	-	-	-	-	-	-	-	-
___(227) DIVERTICULAR DISEASE OF INTESTINE	14	3	11	-	-	-	-	-	-	-	-	-	-
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	16	3	13	-	-	-	-	-	-	-	-	-	-
___(229) DISEASES OF PERITONEUM	3	2	1	-	-	-	-	-	-	-	-	-	-
___DISEASES OF LIVER	146	87	59	-	-	-	-	-	-	-	-	-	-
_____(230) ALCHOLIC LIVER DISEASE	79	48	31	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	41	23	18	-	-	-	-	-	-	-	-	-	-
_____(233) OTHER DISEASES OF LIVER	26	16	10	-	-	-	-	-	-	-	-	-	-
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	11	6	5	-	-	-	-	-	-	-	-	-	-
___DISORDERS OF BILIARY TRACT AND PANCREAS	27	11	16	-	-	-	-	-	-	-	-	-	-
_____(235) PANCREATITIS	22	9	13	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	5	2	3	-	-	-	-	-	-	-	-	-	-
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	37	17	20	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	15	6	9	-	-	-	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	9	3	6	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	6	3	3	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	81	21	60	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	19	8	11	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	16	2	14	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATN BY SEX, AOE, AND UP TO 358 BELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AOES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTN	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(243) DORSOPATHIES	8	5	3	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	3	-	3	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	35	6	29	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	31	6	25	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	154	76	78	-	-	-	-	-	-	-	-	-	-
__DISEASES OF URINARY SYSTEM	151	74	77	-	-	-	-	-	-	-	-	-	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	6	1	5	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	6	1	5	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	108	55	53	-	-	-	-	-	-	-	-	-	-
____(252) UROLITHIASIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(253) OTHER AND UNSPECIFIED DISORDERS OF KIDNEY	1	1	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	28	10	18	-	-	-	-	-	-	-	-	-	-
____(256) OTHER DISEASES OF URINARY TRACT	7	6	1	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	2	2	-	-	-	-	-	-	-	-	-	-	-
____(258) HYPERPLASIA OF PROSTATE	2	2	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	5	-	5	-	-	-	-	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	1	-	1	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	35	15	20	14	20	-	-	-	-	-	-	1	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	13	5	8	5	8	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	9	3	6	3	6	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	5	3	2	2	2	-	-	-	-	-	-	1	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	1	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	7	3	4	3	4	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	32	20	12	15	2	-	1	1	-	-	-	-	2
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	3	2	1	1	-	-	-	1	-	-	-	-	1
__(285(CONGENITAL MALFORMATIONS OF HEART	6	6	-	6	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	3	1	2	1	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	3	2	1	2	1	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	8	4	4	3	1	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	5	3	2	1	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	4	2	2	1	-	-	1	-	-	-	-	-	1
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	166	60	106	11	7	1	1	2	-	-	-	-	-
__(291) SENILITY	60	6	54	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	60	31	29	11	7	1	1	2	-	-	-	-	-
____(292) SUDDEN INFANT DEATH SYNDROME	10	8	2	8	2	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	50	23	27	3	5	1	1	2	-	-	-	-	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	46	23	23	-	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	794	550	244	3	1	1	2	3	1	3	-	8	-
__ACCIDENTS	517	335	182	1	1	1	2	3	-	3	-	4	-
____TRANSPORT ACCIDENTS	251	186	65	1	-	1	2	2	-	3	-	4	-
_____(296) RAILWAY ACCIDENTS	5	5	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	233	174	59	1	-	1	1	2	-	2	-	4	-
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	11	7	4	-	-	-	1	-	-	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	4	4	-	-	-	-	-	1	-	-	-	1	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	18	15	3	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	40	34	6	-	-	-	-	-	-	-	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	43	30	13	1	-	-	-	-	-	1	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	87	58	29	-	-	1	-	1	-	-	-	2	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	11	11	-	-	-	-	-	-	-	1	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	18	14	4	-	-	-	-	-	-	-	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	2	-	2	-	-	-	1	-	-	-	-	-	-
_____(306) WATER TRANSPORT ACCIDENTS	6	5	1	-	-	-	-	-	-	1	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	3	2	1	-	-	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	2	-	2	-	-	-	-	-	-	-	-	-	-
____FALLS	114	53	61	-	-	-	-	-	-	-	-	-	-
_____(312) FALL ON SAME LEVEL	56	21	35	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 BELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
____(313) FALL FROM ONE LEVEL TO ANOTHER	18	14	4	-	-	-	-	-	-	-	-	-	-
____(314) UNSPECIFIED FALL	40	18	22	-	-	-	-	-	-	-	-	-	-
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	4	3	1	-	-	-	-	-	-	-	-	-	-
____(318) ACCIDENTAL EXPLOSION	1	1	-	-	-	-	-	-	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	12	10	2	-	-	-	-	-	-	-	-	-	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRA	T 12	10	2	-	-	-	-	-	-	-	-	-	-
____(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	7	5	2	-	1	-	-	-	-	-	-	-	-
____(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	1	-	-	-	-	-	-	-	-	-	-	-
____(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	8	3	5	-	-	-	-	-	-	-	-	-	-
____(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	1	-	1	-	-	-	-	-	-	-	-	-	-
____(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	1	1	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	58	32	26	-	-	-	-	-	-	-	-	-	-
____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	53	29	24	-	-	-	-	-	-	-	-	-	-
____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	2	1	1	-	-	-	-	-	-	-	-	-	-
____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	3	2	1	-	-	-	-	-	-	-	-	-	-
____(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	47	30	17	-	-	-	-	1	-	-	-	-	-
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	205	168	37	-	-	-	-	-	-	-	-	4	-
____(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	24	11	13	-	-	-	-	-	-	-	-	-	-
____(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	5	4	1	-	-	-	-	-	-	-	-	-	-
____(334) BY HANGING, STRANGULATION AND SUFFOCATION	32	26	6	-	-	-	-	-	-	-	-	-	-
____(335) BY DISCHARGE OF FIREARMS	135	120	15	-	-	-	-	-	-	-	-	4	-
____(336) BY JUMPING FROM A HIGH PLACE	1	1	-	-	-	-	-	-	-	-	-	-	-
____(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	7	5	2	-	-	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	32	23	9	1	-	-	-	-	1	-	-	-	-
____(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	1	-	1	-	-	-	-	-	-	-	-	-	-
____(339) BY HANGING, STRANGULATION AND SUFFOCATION	1	-	1	-	-	-	-	-	-	-	-	-	-
____(340) BY DISCHARGE OF FIREARMS	17	13	4	-	-	-	-	-	-	-	-	-	-
____(341) BY SHARP OBJECT	5	5	-	-	-	-	-	-	-	-	-	-	-
____(342) BY BLUNT OBJECT	1	1	-	-	-	-	-	-	-	-	-	-	-
____(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	1	1	-	1	-	-	-	-	-	-	-	-	-
____(348) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	6	3	3	-	-	-	-	-	1	-	-	-	-
__EVENT OF UNDETERMINED INTENT	26	15	11	1	-	-	-	-	-	-	-	-	-
____(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	17	8	9	-	-	-	-	-	-	-	-	-	-
____(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	-	1	-	-	-	-	-	-	-	-	-	-
____(349) POISONING BY AND EXPOSURE TO OTHER GASES AND VAPORS, UNDETERMINED INTENT	3	3	-	-	-	-	-	-	-	-	-	-	-
____(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	2	1	1	-	-	-	-	-	-	-	-	-	-
____(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	3	3	-	1	-	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	3	3	-	-	-	-	-	-	-	-	-	-	-
____(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	3	3	-	-	-	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	11	6	5	-	-	-	-	-	-	-	-	-	-
____(356) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	11	6	5	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	18	13	19	10	65	18	48	23	58	19	64	39
CERTAIN INFECTIOUS ANG PARASITIC DISEASES	-	-	-	-	1	-	1	2	-	-	2	3
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
____(8) DIARRHEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	-	-	-	1	-	1	1	-	-	-	3
____(15) WHOOPING COUGH	-	-	-	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	-	-	-	-	1	-	1	1	-	-	-	3
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	-	-	-	-	-	-	1	-	-	2	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	-	-	-	-	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	2	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
_____(41) REBULTING IN OTHER SPECIFIED DISEASES	-	-	-	-	-	-	-	-	-	-	1	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER ANG UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	1	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS ANG PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
____(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER ANG UNSPECIFIED INFECTIONS ANG PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	1	-	-	2	2	2	2	1	1	2	8	8
__MALIGNANT NEOPLASMS	-	-	-	2	2	2	2	1	1	2	8	6
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY ANG PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	1	-
_____(60) OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	-	-	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	-	-	-	-	-	-	-	-	-	-	1	-
_____(63) COLON	-	-	-	-	-	-	-	-	-	-	1	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS ANG ANAL CANAL	-	-	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	-	-	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER ANG ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY ANG INTRATHORACIC ORGANS	-	-	-	-	-	-	-	-	-	-	1	-
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS ANG LUNG	-	-	-	-	-	-	-	-	-	-	1	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	1	-	1	-	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	1	-	-	1	-	-	-	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	-	-	-	1	-	-	1	-	-	-	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	3	-
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	3	-
____(82) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	-	-	-	-	-	2	-	3
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	1	-	-	-	1
_____(83) OF VULVA ANG VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	-	-	-	-	-	-	-	-	-	-	1

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(88) OF OVARY	-	-	-	-	-	-	-	1	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	1	-
_____(92) OF KIDNEY AND RENAL PELVIS	-	-	-	-	-	-	-	-	-	-	1	-
_____(93) OF BLADDER	-	-	-	-	-	-	-	-	-	-	-	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	1	-	-	-	-	-
_____(96) OF BRAIN	-	-	-	-	-	-	1	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	2	1	-	-	1	-	2	2
_____(100) HODGKIN'S DISEASE	-	-	-	-	-	1	-	-	1	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	1	-	-	-	-	-	1	-
_____(101) NON-HODGKIN'S LYMPHOMA	-	-	-	-	1	-	-	-	-	-	1	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
_____LEUKEMIA	-	-	-	-	1	-	-	-	-	-	1	2
_____(105) LYMPHOID LEUKEMIA	-	-	-	-	1	-	-	-	-	-	-	-
_____(106) MYELOID LEUKEMIA	-	-	-	-	-	-	-	-	-	-	1	2
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	1	-	-	-	-	-	-	-	-	-	-	2
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-	-	1	-	-	1	-	2	6	-	2	1
__ENDOCRINE DISEASES	-	-	-	-	-	1	-	1	3	-	1	-
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	-	-	-	-	-	-	-	1	3	-	1	-
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	1	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	-	-	1	-	-	-	-	-	1	-	1	1
___MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	-	-	1	-	-	-	-	-	1	-	1	1
__METABOLIC DISORDERS	-	-	-	-	-	-	-	1	2	-	-	-
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-	1	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	-	-	-	-	-	-	-	1	1	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	2	-	1	1
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	-	2	-	1	1
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	-	-	-	-	-	-	-	-	1	-	1	1
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	-	1	-	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	1	1	1	1	2	-	-	-
__(145) MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	-	1	-	-	1	-	-	1	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	1	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	1	-	-	-	-	-	1	-	2	-	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	-	1	-	1	-	-	4	-	4	3	9	5
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	-	-	-	-	-	-	2	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	2	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	1	1	6	-
___(165) ACUTE MYOCARDIAL INFARCTION	-	-	-	-	-	-	-	-	1	-	4	-
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	1	2	-
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	-	-	-	-	-	-	-	-	-	1	-
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	-	-	-	-	-	-	-	-	-	1	1	-
__OTHER HEART DISEASES	-	-	-	1	-	-	1	-	1	2	2	2
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	1	-	-	1	-	-	-	-	1
_____(169) PULMONARY EMBOLISM	-	-	-	1	-	-	1	-	-	-	-	1
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	1	2	2	1
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	1
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	-	-	-	-	-	-	-	-	-	1	1	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	-	-	-	-	-	-	1	1	-	-
_____HEART FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
_____(178) CONGESTIVE HEART FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	-	1	-	-	-	-	1	-	2	-	-	3
___(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	-	-	1	-	1	-	-	1
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	-	-	-	-	-	-	1	-	-	2
___(184) CEREBRAL INFARCTION	-	1	-	-	-	-	-	-	-	-	-	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	1	-
___(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	-	-	-	-	-	-	1	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	2	-	-	1	-	1	2	-
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	2	-	-	1	-	1	2	-
____(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-
____PNEUMONIA	-	-	-	-	1	-	-	-	-	-	1	-
_____(197) BACTERIAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	-	-	-	1	-	-	-	-	-	1	-
____OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	-	-	-	-	1	-	-	1	-	-	1	-
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	-	-	1	-	-	1	-	-	1	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(206) ASTHMA	-	-	-	-	1	-	-	1	-	-	1	-
_____(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	-	-	-	-	-	-	-
_____(210) OTHER PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	1	-	-
DISEASES OF THE DIGESTIVE SYSTEM	-	1	-	-	-	-	-	2	1	2	3	4
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	-	1	-	-	-	-	-	2	1	2	3	4
____(216) DISEASES OF ESOPHAGUS	-	1	-	-	-	-	-	-	-	-	-	-
____PEPTIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(220) GASTROJEJUNAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
____(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	-	-
____(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	-	-	-	-	-	-	-
____(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
____(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
____DISEASES OF LIVER	-	-	-	-	-	-	-	2	1	2	2	3
_____(230) ALCHOLIC LIVER DISEASE	-	-	-	-	-	-	-	2	-	1	1	3
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	-	-	-	-	-	-	-	1	1	-
_____(233) OTHER DISEASES OF LIVER	-	-	-	-	-	-	-	-	1	-	-	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	-	1
____DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	1
_____(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	1	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONOROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-
__DISEASES OF URINARY SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	1	-
____(252) UROLITHIASIS	-	-	-	-	-	-	-	-	-	-	-	-
____(253) OTHER AND UNSPECIFIED DISORDERS OF KIDNEY	-	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	-	-	-	-	-	-	-
____(255) DTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	-	-	-	-	2
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	1	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	-	-	-	1	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	1	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	1	-	2	1	4	1	3	-
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	-	-	-	-	-	-	-	4	1	3	-
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	-	-	-	-	-	-	-	4	1	3	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	1	-	2	1	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	16	10	18	7	58	13	38	12	38	10	33	15
__ACCIDENTS	8	5	12	4	35	9	27	7	19	10	19	9
____TRANSPORT ACCIDENTS	6	5	10	-	22	7	17	4	18	8	10	6
_____(295) RAILWAY ACCIDENTS	-	-	1	-	-	-	1	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	6	5	9	-	21	7	16	4	18	7	10	5
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	1	-	-	-	1	-
_____(297) PEDALCYCLIST COLLISION WITH MDTOR VEHICLE	-	-	-	-	1	-	-	-	-	-	1	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	1	-	1	-	2	1	2	-	2	1
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	-	4	-	6	2	3	1	4	1	2	1
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	2	2	-	-	3	1	3	-	-	-	1	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	3	3	4	-	8	3	6	2	10	6	2	2
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	-	-	-	-	-	-	-	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	-	-	-	2	1	1	-	2	-	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	1
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	1	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	1	-	-
____FALLS	-	-	-	-	1	-	-	-	-	-	1	-
_____(312) FALL ON SAME LEVEL	-	-	-	-	1	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	-	-	-	-	-	-	-	-	-	-
(314) UNSPECIFIED FALL	-	-	-	-	-	-	-	-	-	-	1	-
(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	1	-	1	-	-	1	-	-	-	-
(316) ACCIDENTAL EXPLOSION	-	-	-	-	1	-	-	-	-	-	-	-
(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	1	1	4	-	1	-	-	-	1	-
(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	0	-	-	-	-	-	1	-	-	-	-	-
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	1	-	-	-	1	-	-	-
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	-	-	-	-	-	-	-	-	-	-	-
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	-	-	-	-	-	-	-	-
(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	1	-	-	-	-	-	-	-
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	1	-	-	3	2	2	3	1	-	2	6	3
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	-	-	3	2	1	3	1	-	2	5	3
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	1	-	-	-	-	-	-
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	1	-
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	2	-	5	1	-	-	1	-
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	6	4	6	2	12	1	10	3	17	-	14	3
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	1	-	-	-	-	2	-	-	1
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	-	1	-
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
(334) BY HANGING, STRANGULATION AND SUFFOCATION	2	2	1	1	5	-	4	2	4	-	2	-
(335) BY DISCHARGE OF FIREARMS	4	2	5	-	6	-	4	1	11	-	10	2
(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	1	-	-	-	-	-	-	-
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	1	2	-	-	-	1	-
ASSAULT (HOMICIDE)	2	1	-	1	6	2	-	1	-	-	-	2
(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	1	-	-	-	-	-	-
(340) BY DISCHARGE OF FIREARMS	1	-	-	1	5	1	-	-	-	-	-	2
(341) BY SHARP OBJECT	1	-	-	-	1	-	-	-	-	-	-	-
(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-	-	-	-	-
(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
(348) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	1	-	-	-	-	-	1	-	-	-	-
EVENT OF UNDETERMINED INTENT	-	-	-	-	5	1	-	1	-	-	-	1
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDETERMINED INTENT	-	-	-	-	3	1	-	1	-	-	-	1
(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
(349) POISONING BY AND EXPOSURE TO OTHER GASES AND VAPORS, UNDETERMINED INTENT	-	-	-	-	-	-	-	-	-	-	-	-
(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-	-	-	-	-
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	2	-	-	-	-	-	-	-
LEGAL INTERVENTION	-	-	-	-	-	-	1	-	1	-	-	-
(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	1	-	1	-	-	-
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	1	-	-	-
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	1	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	96	62	158	82	242	125	257	162	273	201	347	250
CERTAIN INFECTIOUS AND PARASITIC DISEASES	1	2	10	2	10	3	4	2	4	2	5	5
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	1	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	1	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	1	-
____(8) DIARRHEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN	-	-	-	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(10) OTHER TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	1	1	1	2	2	1	1	3	2	4	4
____(15) WHOOPING COUGH	-	-	-	-	-	-	-	-	-	-	-	-
____(18) SEPTICEMIA	-	1	1	1	1	2	1	1	3	2	4	4
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	1	-	-	-	-	-	-	-
__VIRAL DISEASES	1	-	7	1	4	1	1	1	1	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
____(36) VIRAL HEPATITIS	-	-	5	1	3	1	-	1	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	-	2	-	1	-	1	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	1	-	1	-	1	-	1	-	-	-	-	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	1	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	1	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	2	-	4	-	2	-	-	-	-	1
____(48) MYCOSES	-	-	-	-	1	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	2	-	3	-	2	-	-	-	-	1
NEOPLASMS	12	20	27	31	64	44	76	66	90	88	126	104
__MALIGNANT NEOPLASMS	11	20	27	31	63	44	74	65	90	88	123	100
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	2	1	3	-	3	-	2	-	1	-
_____(57) OF TONGUE	-	-	1	-	-	-	1	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	1	-	1	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	1	1	3	-	1	-	1	-	1	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	3	3	10	8	24	11	20	15	23	19	37	17
_____(60) OF ESOPHAGUS	1	-	1	2	3	-	4	1	8	4	2	1
_____(61) OF STOMACH	-	1	4	-	2	1	1	-	-	2	1	-
_____(62) OF SMALL INTESTINE	-	-	-	-	1	-	1	-	-	1	1	-
_____OF COLON, RECTUM AND ANUS	1	2	2	2	8	3	6	6	7	6	22	11
_____(63) COLON	-	2	2	1	5	3	6	3	4	4	16	9
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	1	-	-	1	3	-	-	3	3	2	5	2
_____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	-	1	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	5	2	1	4	3	-	4	1
_____(66) LIVER	-	-	-	-	3	1	1	3	3	-	2	1
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	2	1	-	1	-	-	2	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	1	-	1
_____(69) OF PANCREAS	1	-	3	4	5	5	6	4	4	5	7	3
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	1	-	1	-	-	-
____MALIGNANS OF RESPIRATORY AND INTRATHORACIC ORGANS	1	2	4	4	12	10	16	17	27	19	44	38
_____(72) OF LARYNX	-	-	-	-	2	-	1	1	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	1	2	4	4	10	10	15	16	27	19	44	38
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	1	-	-	-	1	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	2	1	-	2	2	-	3	-	1	2	3	1
_____(77) MALIGNANT MELANOMA OF SKIN	2	1	-	2	2	-	3	-	1	2	1	1
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	2	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	2	-	-	-	2	1	2	1	3	1	1	2
_____(79) MESOTHELIOMA	-	-	-	-	1	-	-	-	2	-	-	1
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	2	-	-	-	1	1	2	1	1	1	1	1
____(82) MALIGNANT NEOPLASM OF BREAST	-	5	-	7	-	11	-	10	-	19	-	12
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	2	-	4	-	3	-	12	-	15	-	8
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	2	-	-
_____(84) OF CERVIX UTERI	-	-	-	-	-	2	-	1	-	2	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

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	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	1	-	2	-	-	-	2	-	6	-	5
_____(86) OF OVARY	-	1	-	2	-	1	-	9	-	5	-	3
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	4	-	4	-	5	-	7	-
_____(89) OF PROSTATE	-	-	-	-	4	-	4	-	5	-	7	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	1	2	1	-	4	1	6	1	5	2	6	2
_____(92) OF KIDNEY AND RENAL PELVIS	1	2	1	-	3	-	2	1	3	2	3	2
_____(93) OF BLADDER	-	-	-	-	1	1	3	-	2	-	3	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	1	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	2	2	3	4	3	5	3	6	2	3	4
_____(96) OF BRAIN	-	2	2	3	4	3	5	3	6	2	3	4
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	1	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	2	2	2	-	5	2	6	3	8	3	9	6
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	1	5	2	3	1	8	3	10	6	12	10
_____(100) HODGKIN'S DISEASE	-	-	-	-	-	-	1	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	1	2	1	1	1	3	-	3	2	4	4
_____(101) NON-HODGKIN'S LYMPHOMA	-	1	2	1	1	1	3	-	3	2	4	4
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	1	-	-	-	1	2	2	3	5	2
_____LEUKEMIA	-	-	2	1	2	-	3	1	5	1	3	4
_____(105) LYMPHOID LEUKEMIA	-	-	-	1	-	-	2	-	1	1	1	-
_____(106) MYELOID LEUKEMIA	-	-	2	-	2	-	1	-	2	-	2	2
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	1	2	-	-	2
__BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	1	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	1	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	1	-	-	-	1	-	2	1	-	-	1	4
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	1	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	1	-	1	-	-	-	1	1
__ANEMIAS	-	-	-	-	1	-	-	-	-	-	1	1
___(116) APLASTIC ANEMIAS	-	-	-	-	1	-	-	-	-	-	1	1
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	1	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	6	3	6	3	7	8	18	13	14	12	13	16
__ENDOCRINE DISEASES	3	1	3	3	6	6	13	8	12	9	12	13
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	3	1	3	3	6	6	13	8	12	9	12	13
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	2	1	1	-	1	1	1	4	-	3	-	1
___MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	2	1	1	-	1	1	1	4	-	3	-	1
__METABOLIC DISORDERS	1	1	2	-	-	1	4	1	2	-	1	2
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	1	1	1	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	-	-	1	-	-	1	4	1	2	-	1	2
MENTAL AND BEHAVIORAL DISORDERS	3	2	10	-	7	2	8	3	6	2	3	3
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	1	1	1	1	2
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	3	2	9	-	7	1	8	1	5	1	2	1
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	2	1	4	-	6	1	7	1	4	-	1	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	1	1	5	-	1	-	1	-	1	1	1	1
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(143) MENTAL RETARDATION	-	-	1	-	-	1	-	-	-	-	-	-
(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	1	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	1	-	2	1	5	8	11	4	9	8	10	8
(145) MENINGITIS	-	-	-	-	-	-	-	-	1	2	-	-
(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	1
(147) PARKINSON'S DISEASE	-	-	-	-	-	-	1	-	-	-	-	1
(148) ALZHEIMER'S DISEASE	-	-	-	-	-	1	-	-	1	1	2	2
(149) MULTIPLE SCLEROSIS	-	-	1	1	-	2	1	-	1	4	2	1
(150) EPILEPSY	-	-	-	-	1	-	3	-	-	-	-	-
(152) INFANTILE CEREBRAL PALSY	1	-	-	-	-	-	2	-	-	-	-	-
(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	-	-	1	-	4	5	4	4	6	1	6	3
(156) DISEASES OF THE EAR AND MASTOID PROCESS	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	16	5	36	11	57	24	68	34	84	38	99	60
ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	1	-	2
CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	1	-	2
(157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	1	-	-
(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
HYPERTENSIVE DISEASES	-	1	3	1	1	2	2	-	4	6	-	1
(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	1	-	1	-	-	1	1	-	-
(162) HYPERTENSIVE HEART DISEASE	-	1	2	-	1	-	2	-	2	5	-	1
(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	1	-	-	-
(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	1	-	-	1	-	-	-	-	-	-
ISCHEMIC HEART DISEASES	9	1	18	6	36	10	44	16	56	17	61	25
(165) ACUTE MYOCARDIAL INFARCTION	4	-	7	3	9	4	14	5	25	7	20	13
(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	1	1	-	-	-
OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	5	1	11	3	27	6	30	10	30	10	41	12
(167) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	2	-	5	1	9	2	4	1	11	2	8	5
(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	3	1	6	2	18	4	26	9	19	8	33	7
OTHER HEART DISEASES	5	2	9	3	16	7	14	11	17	8	20	17
PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	1	-	-	1	2	-	3	5	-	1	-	6
(169) PULMONARY EMBOLISM	1	-	-	1	2	-	2	2	-	-	-	4
(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	1	3	-	1	-	2
OTHER NON-PULMONARY FORMS OF HEART DISEASE	4	2	9	2	14	7	11	6	17	7	20	11
(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	1	-	1	-	-	-	-	-
(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	1	1
OTHER DISEASES OF ENDOCARDIUM	1	-	-	-	-	2	-	-	-	-	1	-
(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	1	-	-	-	-	-	-
(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	-	-	-	-	1	-	-	-	-	-	-
(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	1	-
(176) CARDIOMYOPATHY	2	2	3	1	4	2	1	2	1	4	3	1
(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	4	-	5	2	1	3	8	1	5	3
HEART FAILURE	-	-	-	-	2	1	8	1	6	2	8	5
(178) CONGESTIVE HEART FAILURE	-	-	-	-	1	1	6	1	5	2	8	4
(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	1	-	2	-	1	-	-	1
(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-	-	-	-	-
(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	1	-	2	1	2	-	-	-	2	-	2	1
CEREBROVASCULAR DISEASE	2	-	5	1	2	4	6	5	5	5	16	11
(182) SUBARACHNOID HEMORRHAGE	2	-	-	1	-	1	-	1	-	1	1	1
(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	2	-	1	3	2	1	1	1	4	1
(184) CEREBRAL INFARCTION	-	-	-	-	-	-	1	-	-	-	1	-
(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	2	-	1	-	2	2	3	2	7	6
(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	1	-	-	-	1	1	1	1	3	3
DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	1	1	2	2	2	1	2	4
(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	1	-	1
(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	1	-	1	-	1	-	2	1
(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	1	1	2	1	-	-	2
OTHER DISORDERS OF CIRCULATORY SYSTEM	-	1	1	-	1	-	-	-	-	-	-	-
(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	1	1	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	1	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	1	2	1	3	16	6	14	16	24	25	45	27
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	1	-	1	-	-	-	-	-
____(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	1	-	1	-	-	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	1	2	1	3	15	6	13	16	24	25	45	27
____(195) INFLUENZA	-	-	-	-	-	-	-	-	-	1	1	-
____PNEUMONIA	-	-	1	-	1	2	4	2	2	2	2	2
_____(197) BACTERIAL PNEUMONIA	-	-	-	-	1	-	-	-	-	1	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	-	1	-	-	2	4	2	2	1	2	2
____OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	1	2	-	2	10	1	8	12	17	21	33	23
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	1	2	-	2	10	1	8	12	17	21	33	23
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	-	1	1	-	1	5	1	3	6	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1	2	-	1	9	1	7	7	16	18	26	22
_____(208) ASTHMA	-	-	-	-	-	-	-	-	-	-	1	1
_____(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	1	1	-	-	1	1	-	6	-
_____(206) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	3	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	1	1	-	-	1	1	-	3	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	1	1	-	-	1	1	-	3	-
_____(210) OTHER PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	3	3	1	1	4	1	3	2
DISEASES OF THE DIGESTIVE SYSTEM	13	4	12	7	23	13	16	11	12	3	15	13
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	-	1	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	13	4	12	7	23	13	15	11	12	3	15	13
____(218) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	1	-	-	-
____PEPTIC ULCER	-	-	-	-	-	-	-	1	1	-	-	-
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	1	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	1	-	-	-	-
_____(220) GASTROJEJUNAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
____(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	1	-	-	-	1	-	-	-
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	1	-	-	1	-
____(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	1	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	1	-	-	-	1	-	2	1
____(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	-	-	-	-	1
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	1	-	-	-	2	-	-	-	-
____(229) DISEASES OF PERITONEUM	-	-	-	-	1	-	-	-	-	-	-	-
____DISEASES OF LIVER	10	4	8	4	15	12	14	5	7	3	10	7
_____(230) ALCHOLIC LIVER DISEASE	7	3	3	2	10	10	11	2	6	2	4	2
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	1	1	2	1	3	1	-	1	1	1	5	2
_____(233) OTHER DISEASES OF LIVER	2	-	3	1	2	1	3	2	-	-	1	3
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	2	-	-	-	-	-	-	1
____DISORDERS OF BILIARY TRACT AND PANCREAS	2	-	3	-	1	1	-	1	-	-	-	2
_____(235) PANCREATITIS	2	-	3	-	1	1	-	1	-	-	-	2
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	1	-	1	1	2	-	1	1	1	-	2	1
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	1	-	-	1	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	1	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	1	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	1	-	-	2	2	-	-	3	1	1
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	1	2	-	-	2	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	1	-	-	1	-	-	-	-	-	1

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	1	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	1	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	1	-	3	-	1	2	2	1	2	1	8	1
__DISEASES OF URINARY SYSTEM	1	-	3	-	1	2	2	1	2	1	8	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	1	-	3	-	-	2	1	1	1	1	7	-
____(252) UROLITHIASIS	-	-	-	-	-	-	-	-	-	-	-	-
____(253) OTHER AND UNSPECIFIED DISORDERS OF KIDNEY	-	-	-	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	1	-	1	-	1	-	-	-
____(256) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	1	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	2	-	-	-	1	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	2	2	-	-	-	1	1	1	1	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	1	-	-	-	-	-	1	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	1	-	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	1	-	-	-	1	1	-	1	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	1	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	2	1	1	1	1	3	4	2	-	1	1	1
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	1	1	1	1	1	3	1	-	-	-	1	-
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	1	1	1	1	1	3	1	-	-	-	1	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	-	-	-	-	-	3	2	-	1	-	1
EXTERNAL CAUSES OF MORTALITY	40	20	47	21	50	8	33	9	26	17	19	10
__ACCIDENTS	20	9	26	13	24	6	19	6	16	11	13	8
____TRANSPORT ACCIDENTS	11	3	11	6	15	1	13	3	11	6	9	5
_____(295) RAILWAY ACCIDENTS	-	-	2	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	11	3	9	6	14	-	11	2	10	6	8	4
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	1	-	-	-	1	-	1	-	1	2	-	1
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	1	-	2	1	1	-	-	-	1	-	1	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRI	N 2	-	-	-	5	-	2	-	2	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	2	1	2	1	2	-	2	1	2	1	2	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	4	2	4	2	5	-	1	1	2	3	2	3
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	1	-	-	-	-	-	3	-	2	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	-	1	2	-	-	2	-	-	-	3	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	2	1	-	-	1	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	1	1	-	-	1	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	1
____FALLS	-	1	3	1	3	2	1	-	3	2	2	3
_____(312) FALL ON SAME LEVEL	-	-	2	-	1	1	-	-	-	1	-	2

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(313) FALL FROM ONE LEVEL TO ANOTHER	-	1	1	-	2	-	1	-	3	-	1	1
___(314) UNSPECIFIED FALL	-	-	-	1	-	1	-	-	-	1	1	-
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	1	-	-	-	-	-
___(316) ACCIDENTAL EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	2	-	-	1	-	-	-	-	-	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRA	T -	-	-	-	-	-	-	-	-	-	1	-
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	1	-	-	-	-	1	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	1	1	1	-	-	1	1	-	-	1	-
___(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	8	3	7	5	4	2	-	2	-	2	-	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	7	3	7	4	4	2	-	2	-	2	-	-
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	1	-	-	1	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	1	2	-	1	-	3	-	2	-	-	-
_INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	15	8	18	7	18	2	12	1	6	3	5	2
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	3	3	5	2	1	-	1	2	1	1	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	1	-	-	1	-	-	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	2	1	3	-	-	-	3	-	-	-	-	-
___(335) BY DISCHARGE OF FIREARMS	12	2	11	2	15	1	9	-	4	2	4	2
___(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	-	-	-	-	-	-	-	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	1	1	-	-	-	-	-	-	-	-	-
_ASSAULT (HOMICIDE)	3	-	1	-	5	-	1	-	2	-	-	-
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	3	-	-	-	2	-	1	-	1	-	-	-
___(341) BY SHARP OBJECT	-	-	1	-	1	-	-	-	1	-	-	-
___(342) BY BLUNT OBJECT	-	-	-	-	1	-	-	-	-	-	-	-
___(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	- -	-	-	-	1	-	-	-	-	-	-	-
_EVENT OF UNDETERMINED INTENT	2	3	2	1	2	-	-	2	1	2	1	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	1	2	2	-	1	-	-	2	1	2	-	-
___(348) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	1	-	-	-	-	-	-	-	-
___(349) POISONING BY AND EXPOSURE TO OTHER GASES AND VAPORS, UNDETERMINED INTENT	1	-	-	-	-	-	-	-	-	-	1	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	1	-	-	1	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
_LEGAL INTERVENTION	-	-	-	-	-	-	1	-	-	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	1	-	-	-	-	-
_COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	1	-	-	-	1	1	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL ANO SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	1	1	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	422	340	549	465	639	633	980	1,700
CERTAIN INFECTIOUS AND PARASITIC DISEASES	2	3	4	5	9	5	13	16
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	1	2
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	1	2
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	1	2
____(8) DIARRHEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN	-	-	-	-	1	-	-	-
__TUBERCULOSIS	-	-	-	-	-	-	2	-
____(10) OTHER TUBERCULOSIS	-	-	-	-	-	-	2	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	2	2	3	2	7	5	10	9
____(15) WHOOPING COUGH	-	-	-	-	-	-	-	-
____(16) SEPTICEMIA	2	2	3	2	5	3	10	8
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	2	2	-	1
__VIRAL DISEASES	-	-	-	1	1	-	-	1
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	1	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	1
____(36) VIRAL HEPATITIS	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	1	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	1	2	-	-	-	4
____(48) MYCOSES	-	-	-	-	-	-	-	-
____(53) SEQUELAE OF TUBERCULOSIS	-	-	-	-	-	-	-	1
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	1	1	2	-	-	-	3
NEOPLASMS	159	118	170	168	141	147	167	169
__MALIGNANT NEOPLASMS	155	111	166	162	136	140	160	153
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	1	1	3	1	-	-	1	3
_____(57) OF TONGUE	-	-	1	-	-	-	1	2
_____(58) OF PHARYNX	1	-	1	-	-	-	-	1
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	1	1	1	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	35	16	27	32	32	29	30	40
_____(60) OF ESOPHAGUS	3	2	5	3	5	-	1	-
_____(61) OF STOMACH	1	2	2	-	1	-	4	5
_____(62) OF SMALL INTESTINE	-	-	-	1	-	-	-	-
_____OF COLON, RECTUM AND ANUS	11	7	13	12	14	16	14	23
_____(63) COLON	8	7	11	11	14	15	12	23
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	3	-	1	1	-	-	2	-
_____(65) ANUS AND ANAL CANAL	-	-	1	-	-	1	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	5	-	-	3	6	3	3	1
_____(66) LIVER	4	-	-	2	5	2	3	1
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	1	-	-	1	1	1	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	2	-	2	1	1
_____(69) OF PANCREAS	15	5	6	10	6	8	7	9
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	1	1	-	-	-	1
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	65	42	61	57	46	42	32	20
_____(72) OF LARYNX	2	-	-	1	2	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	62	42	61	56	44	42	32	20
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	1	-	-	-	-	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	1	-	1	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	1	3	3	2	1	3	2
_____(77) MALIGNANT MELANOMA OF SKIN	-	1	3	3	1	1	2	2
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	-	-	1	-	1	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	5	2	-	2	2	1	-	5
_____(79) MESOTHELIOMA	2	1	-	1	2	1	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	3	1	-	1	-	-	-	5
____(82) MALIGNANT NEOPLASM OF BREAST	-	18	-	14	-	11	-	22
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	12	-	21	-	10	-	21
_____(83) OF VULVA AND VAGINA	-	1	-	-	-	-	-	3
_____(84) OF CERVIX UTERI	-	2	-	2	-	1	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	2	-	6	-	2	-	7
_____(86) OF OVARY	-	6	-	13	-	7	-	11
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	1	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	9	-	23	-	26	-	52	-
_____(89) OF PROSTATE	9	-	23	-	26	-	51	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	1	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	4	3	13	8	12	3	16	6
_____(92) OF KIDNEY AND RENAL PELVIS	1	2	8	3	5	1	7	-
_____(93) OF BLADDER	3	1	5	4	7	2	9	6
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	1	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	1	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	5	2	3	2	1	1	-	2
_____(96) OF BRAIN	5	2	3	2	1	1	-	2
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	1	-	-	-	-	2	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	5	4	11	9	7	14	10	18
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	24	10	20	13	7	26	16	14
_____(100) HODGKIN'S DISEASE	-	-	-	1	2	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	11	5	7	6	1	8	4	6
_____(101) NON-HODGKIN'S LYMPHOMA	11	5	7	6	1	8	4	6
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	3	1	4	2	1	6	3	3
_____LEUKEMIA	10	4	9	4	3	12	9	5
_____(105) LYMPHOID LEUKEMIA	6	1	1	-	1	5	1	2
_____(106) MYELOID LEUKEMIA	3	3	6	4	1	3	6	3
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	1	1	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	1	-	2	-	1	3	1	-
__BENIGN NEOPLASMS	2	-	-	1	-	1	-	2
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	-	-	1	-	1	-	1
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	1
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	2	7	3	4	5	6	7	13
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	1	1	-	-	-	1
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	1	-	2	4	1	3	9
__ANEMIAS	-	-	-	2	1	1	2	7
___(118) APLASTIC ANEMIAS	-	-	-	-	1	-	1	1
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	2	-	1	1	6
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	3	-	-	1
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	1	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	1	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	27	24	25	23	26	23	31	74
__ENDOCRINE DISEASES	21	19	20	20	19	19	26	53
___(123) DISORDERS OF THYROID GLAND	1	-	-	-	-	-	1	4
___(124) DIABETES MELLITUS	20	19	20	20	18	18	25	49
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	1	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	1	-	-
__NUTRITIONAL DISEASES	-	2	2	2	4	1	2	3
___MALNUTRITION	-	-	-	2	2	1	2	3
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	2	2	1	2	3
___(132) OBESITY AND OTHER HYPERALIMENTATION	-	2	2	-	2	-	-	-
__METABOLIC DISORDERS	6	3	3	1	3	3	3	18
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	2	-	-	-	1	2	3	13
___(135) OTHER METABOLIC DISORDERS	4	3	3	1	2	1	-	5
MENTAL AND BEHAVIORAL DISORDERS	1	4	14	17	12	29	50	157
__(136) ORGANIC DEMENTIA	1	3	8	12	12	24	46	151
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	1	-	-	-	1	-	1
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	-	-	6	2	-	3	3	3
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	-	-	4	1	-	2	-	1
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	-	2	1	-	1	3	2
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	2	-	1	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	1	-	-	1	2

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FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	18	9	23	29	39	58	69	151
__(145) MENINGITIS	-	1	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	1	-	1	-	-	-
__(147) PARKINSON'S DISEASE	3	-	9	5	13	8	15	20
__(148) ALZHEIMER'S DISEASE	5	5	4	15	20	43	43	125
__(149) MULTIPLE SCLEROSIS	1	-	2	-	-	2	-	-
__(150) EPILEPSY	1	1	-	2	-	-	1	1
__(152) INFANTILE CEREBRAL PALSY	-	-	-	1	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	8	2	7	6	5	5	10	5
(155) DISEASES OF THE EAR AND MASTOID PROCESS	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	119	88	176	109	227	207	379	685
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	1	4	-	2	1	1	1	3
____CHRONIC RHEUMATIC HEART DISEASES	1	4	-	2	1	1	1	3
_____(157) RHEUMATIC MITRAL VALVE DISEASE	1	2	-	1	-	-	-	1
_____(158) RHEUMATIC AORTIC VALVE DISEASE	-	-	-	-	1	-	-	1
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	1	-	1	-	-	1	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	1	-	-	-	1	-	1
__HYPERTENSIVE DISEASES	2	6	6	4	4	16	10	47
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	1	-	1	2	1	6	-	20
____(162) HYPERTENSIVE HEART DISEASE	1	1	2	1	3	6	3	16
____(163) HYPERTENSIVE RENAL DISEASE	-	4	3	1	-	3	6	8
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	1	-	-	-	1	1	3
__ISCHEMIC HEART DISEASES	69	28	85	44	103	69	168	203
____(165) ACUTE MYOCARDIAL INFARCTION	29	6	38	18	38	21	48	76
____(166) OTHER ACUTE ISCHEMIC HEART DISEASES	1	-	-	-	-	1	1	1
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	39	22	47	26	65	47	119	126
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	9	2	5	4	10	5	12	15
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	30	20	42	22	55	42	107	111
__OTHER HEART DISEASES	24	20	33	31	66	53	98	225
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	2	6	1	-	6	4	1	8
_____(169) PULMONARY EMBOLISM	1	2	1	-	2	3	1	1
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	1	4	-	-	4	1	-	7
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	22	14	32	31	60	49	97	217
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	1	-	-	-	-	1
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	1	-
_____OTHER DISEASES OF ENDOCARDIUM	1	3	5	2	7	13	20	41
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	1	-	-	1	3	5
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	3	4	-	6	8	11	27
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	2	1	4	6	9
_____(176) CARDIOMYOPATHY	4	3	5	4	5	5	4	6
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	6	2	10	5	11	9	18	55
_____HEART FAILURE	10	5	10	19	32	20	50	105
_____(178) CONGESTIVE HEART FAILURE	8	4	10	17	30	17	50	100
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	2	1	-	2	2	3	-	5
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	1
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	1	1	1	1	5	2	4	8
__CEREBROVASCULAR DISEASE	17	23	34	21	39	63	78	177
____(182) SUBARACHNOID HEMORRHAGE	-	2	-	1	-	-	1	3
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	4	2	8	5	5	10	8	14
____(184) CEREBRAL INFARCTION	-	2	-	1	1	3	3	2
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	10	10	15	8	25	33	45	119
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	3	7	11	6	8	17	21	39
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	6	7	14	6	13	4	22	26
____(187) ATHEROSCLEROSIS	2	1	1	1	2	3	10	8
____(188) AORTIC ANEURYSM AND DISSECTION	2	1	10	4	8	1	8	7
____(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	2	5	3	1	3	-	4	11
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	4	1	1	1	2	4
____(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	2	1	1	1	-	3

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	2	-	-	-	2	1
DISEASES OF THE RESPIRATORY SYSTEM	55	61	71	62	111	87	142	177
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	1
___(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	1
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	55	61	71	62	111	87	142	176
___(195) INFLUENZA	2	1	-	-	1	3	5	11
___PNEUMONIA	4	5	7	5	20	17	46	62
_____(197) BACTERIAL PNEUMONIA	-	-	-	1	-	-	1	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	4	5	7	4	20	17	45	62
___OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	1	-	-	-	-	-	1
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	1	-	-	-	-	-	1
___(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	1	1	-	1	-
___CHRONIC LOWER RESPIRATORY DISEASE	40	45	49	45	73	57	58	80
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	40	45	49	44	73	57	58	80
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	1
_____(204) EMPHYSEMA	4	5	8	5	6	5	5	6
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	36	40	41	39	67	52	52	69
_____(206) ASTHMA	-	-	-	-	-	-	1	4
_____(207) BRONCHIECTASIS	-	-	-	1	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	1	-	8	2	11	4	22	8
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	1	-	-	-	-	-	2	1
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	8	2	11	4	20	7
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	8	2	11	4	20	7
_____(210) OTHER PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	1	1	-	-	-	-	1	-
___(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	1
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	7	8	7	9	5	6	9	13
DISEASES OF THE DIGESTIVE SYSTEM	11	14	22	15	13	26	34	53
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	1	1	-	-	-	-
__OISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	11	14	21	14	13	26	34	53
___(216) DISEASES OF ESOPHAGUS	-	1	1	-	1	2	2	2
___PEPTIC ULCER	-	1	-	1	-	2	3	3
_____(217) GASTRIC ULCER	-	-	-	-	-	1	-	-
_____(218) DUODENAL ULCER	-	1	-	1	-	1	-	1
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	2	2
_____(220) GASTROJEJUNAL ULCER	-	-	-	-	-	-	1	-
___(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	1	-	-
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	1	1
___(223) DISEASES OF APPENDIX	-	-	-	-	-	-	1	-
___(224) HENIA	-	-	-	1	1	-	1	1
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	1	-	-	1
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	1	3	9	5	4	5	9	7
___(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	1	-	-	3	9
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	1	1	1	2	1	7
___(229) DISEASES OF PERITONEUM	1	-	-	-	-	-	-	1
___DISEASES OF LIVER	6	6	8	4	1	3	5	4
_____(230) ALCHOLIC LIVER DISEASE	1	2	4	1	-	1	1	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	4	4	3	1	1	1	2	4
_____(233) OTHER DISEASES OF LIVER	1	-	1	2	-	1	2	-
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	1	-	3	1	-	3
___DISORDERS OF BILIARY TRACT AND PANCREAS	2	2	-	-	1	6	2	3
_____(235) PANCREATITIS	2	1	-	-	-	6	1	1
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	1	-	-	1	-	1	2
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	1	1	1	1	-	4	6	11
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	2	-	1	2	1	3	1	3
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	2	-	-	1	1	2	-	2
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	1	1	-	1	1	1
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	5	4	7	4	9	9	33
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	2	2	1	2	4	2	1
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	3	-	2	1	1	-	6

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(243) DORSOPATHIES	-	-	2	-	-	1	2	2
__(244) SOFT TISSUE DISORDERS	-	-	-	1	-	-	-	1
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	3	1	3	5	23
____(245) OSTEOPOROSIS	-	-	-	2	1	3	5	20
DISEASES OF THE GENITOURINARY SYSTEM	4	5	12	11	16	14	26	43
__DISEASES OF URINARY SYSTEM	4	5	12	11	16	14	24	43
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	1	-	-	5
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	1	-	-	5
____(251) RENAL FAILURE	2	5	10	7	10	11	19	26
____(252) UROLITHIASIS	-	-	-	-	1	-	-	-
____(253) OTHER AND UNSPECIFIED DISORDERS OF KIDNEY	-	-	1	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	2	-	-	4	2	2	3	12
____(255) OTHER DISEASES OF URINARY TRACT	-	-	1	-	2	1	2	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	2	-
____(256) HYPERPLASIA OF PRDSTATE	-	-	-	-	-	-	2	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	-
__(273) INDIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	1	-	-	-	1
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	1	-	-	-	1
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	2	2	6	7	4	14	15	64
__(291) SENILITY	-	1	-	1	1	6	5	46
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	1	1	2	2	-	3	2	9
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	1	1	2	2	-	3	2	9
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNDRMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	-	4	4	3	5	8	9
EXTERNAL CAUSES OF MORTALITY	22	6	21	7	32	10	41	65
__ACCIDENTS	12	5	14	7	27	9	32	61
____TRANSPORT ACCIDENTS	7	1	4	3	5	2	6	3
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	1	-
_____MOTOR VEHICLE ACCIDENTS	7	1	4	3	5	2	5	3
_____(296) PEDESTRIAN: COLLISION WITH MOTOR VEHICLE	-	-	1	-	-	-	-	-
_____(297) PEDALCYCLIST: COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST: ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	-	-	1	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	1	-	-	-	-	-	-	-
_____(300) DTHER MOTOR VEHICLE: COLLISION WITH RAILWAY TRAIN	1	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE: COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRI	N 1	-	-	-	-	1	2	-
_____(302) CAR, PICKUP TRUCK OR VAN: COLLISION WITH DTHER MOTOR VEHICLE	1	1	2	2	2	1	2	2
_____(304) MOTOR VEHICLE: NONCOLLISION ACCIDENT	2	-	-	1	-	-	1	1
_____(305) SPECIAL-USE MDTOR VEHICLE: ANY ACCIDENT	-	-	-	-	2	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	2	-	1	-	-	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEDUELAE	-	-	-	-	-	-	-	-
____FALLS	4	2	3	4	14	5	18	41
_____(312) FALL ON SAME LEVEL	1	1	1	3	7	3	8	24

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONCLUDED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_____(313) FALL FROM ONE LEVEL TO ANOTHER	1	-	2	-	2	-	1	2
_____(314) UNSPECIFIED FALL	2	1	-	1	5	2	9	15
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
____(316) ACCIDENTAL EXPLOSION	-	-	-	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	1	-	-	-	-	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRA	T 1	-	2	-	2	-	3	2
____(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	1	-	1	-
____(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-
____(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	-	1	-	1
____(323) ACCIDENTAL CONTACT WITH HEAR AND HOT SUBSTANCES	-	1	-	-	-	-	-	-
____(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-
____ACCIDENTAL POISONING AND EXPOSURE TO NOXIQUS SUBSTANCES	-	1	1	-	-	-	-	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	1	-	-	-	-	-	-
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	1	-	-	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-
____(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	-	-	3	-	5	1	4	14
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	9	1	5	-	4	-	7	-
____(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	-	-	-
____(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-
____(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	1	-	-	-	-	-	2	-
____(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-
____(335) BY DISCHARGE OF FIREARMS	7	1	5	-	4	-	5	-
____(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	-	-	-	-
____(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	1	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	1	-	1	-	-	-	-	1
____(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	1
____(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-
____(340) BY DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
____(341) BY SHARP OBJECT	-	-	-	-	-	-	-	-
____(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-
____(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	-	-	-	-	-	-	-	-
____(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS ANO THEIR SEQUELAE	1	-	1	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	-	-	-	-	1	-	-	-
____(347) POISONING BY ANO EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
____(348) POISONING BY ANO EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-
____(349) POISONING BY AND EXPOSURE TO OTHER GASES AND VAPORS, UNDETERMINED INTENT	-	-	-	-	1	-	-	-
____(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
____(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	-	-	-	-	-	-	-	-
____(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	1	-	-	1	2	3
____(356) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	1	-	-	1	2	3

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-2

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
ALL CAUSES	8,497	7,383	409	705	4,311	3,767	200	344	4,186	3,616	209	361
__(3) CERTAIN OTHER INTESTINAL INFECTIONS	5	5	-	-	3	3	-	-	2	2	-	-
__(8) TUBERCULOSIS	2	2	-	-	2	2	-	-	-	-	-	-
__(5) OTHER TUBERCULOSIS	2	2	-	-	2	2	-	-	-	-	-	-
__(66) WHOOPING COUGH	1	-	1	-	1	-	1	-	-	-	-	-
__(96) SEPTICEMIA	82	51	7	4	32	27	2	3	30	24	5	1
__(144) VIRAL HEPATITIS	11	10	-	1	8	8	-	-	3	2	-	1
__(15#) HUMAN IMMUNODEFICIENCY VIRUS (HIV)	7	7	-	-	7	7	-	-	-	-	-	-
__(17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	30	25	3	2	15	13	1	1	15	12	2	1
(#) MALIGNANT NEOPLASMS	1,947	1,725	79	143	1,020	910	38	72	927	815	41	71
__(18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	22	18	1	3	18	14	1	1	4	4	-	2
__(19) MALIGNANT NEOPLASM OF ESOPHAGUS	46	40	3	3	33	29	1	3	13	11	2	-
__(20) MALIGNANT NEOPLASM OF STOMACH	27	21	3	3	18	12	1	3	11	9	2	-
__(21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	187	169	7	11	99	92	4	3	88	77	3	8
__(22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	41	33	4	4	27	22	2	3	14	11	2	1
__(23) MALIGNANT NEOPLASMS OF PANCREAS	113	96	6	11	60	49	3	8	53	47	3	3
__(24) MALIGNANT NEOPLASM OF LARYNX	9	8	-	1	7	6	-	1	2	2	-	-
__(25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	550	497	18	35	301	278	9	18	249	221	9	19
__(26) MALIGNANT MELANOMA OF SKIN	30	29	1	-	16	16	-	-	14	13	1	-
__(27) MALIGNANT NEOPLASM OF BREAST	134	121	7	6	-	-	-	-	134	121	7	6
__(28) MALIGNANT NEOPLASM OF CERVIX UTERI	11	9	2	-	-	-	-	-	11	9	2	-
__(29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS,PART UNSPECIFIED	33	29	-	4	-	-	-	-	33	29	-	4
__(30) MALIGNANT NEOPLASM OF OVERY	59	51	-	8	-	-	-	-	59	51	-	8
__(31) MALIGNANT NEOPLASM OF PROSTRATE	129	112	4	13	129	112	4	13	-	-	-	-
__(32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	48	42	3	3	35	33	1	1	13	9	2	2
__(33) MALIGNANT NEOPLASM OF BLADDER	47	41	-	6	33	28	-	5	14	13	-	1
__(34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	54	46	2	6	30	26	1	3	24	20	1	3
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	201	177	9	15	112	101	5	6	89	76	4	9
__(38) HODGKIN'S DISEASE	8	4	-	2	4	4	-	-	2	-	-	2
__(36) NON-HODGKIN'S LYMPHOMA Non-Hodgkin's lymphoma	74	63	5	6	40	36	2	2	34	27	3	4
__(37) LEUKEMIA	62	74	1	7	48	43	1	4	34	31	-	3
__(36) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	39	36	3	-	20	18	2	-	19	18	1	-
__(40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	206	186	9	11	106	94	8	6	100	92	3	5
__(41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	71	60	1	10	28	24	1	3	43	36	-	7
__(42#) ANEMIAS	16	15	1	-	5	5	-	-	11	10	1	-
__(43#) DIABETES MELLITUS	283	231	24	28	136	114	12	10	147	117	12	18
(#) NUTRITIONAL DEFICIENCIES	10	8	-	2	4	3	-	1	6	5	-	1
__(44) MALNUTRITION	10	8	-	2	4	3	-	1	6	5	-	1
__(46#) MENINGITIS	5	5	-	-	1	1	-	-	4	4	-	-
__(47#) PARKINSON'S DISEASE	75	71	-	4	41	39	-	2	34	32	-	2
__(46#) ALZHEIMER'S DISEASE	267	233	2	32	75	64	1	10	192	169	1	22
MAJOR CARDIOVASCULAR DISEASES	2,538	2,230	90	218	1,273	1,129	43	101	1,265	1,101	47	117
(#) DISEASES OF HEART	1,842	1,630	66	146	989	873	39	77	853	757	27	69
__(48) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	16	15	-	1	3	3	-	-	13	12	-	1
__(50) HYPERTENSIVE HEART DISEASE	49	42	2	5	18	15	1	2	31	27	1	3
__(51) HYPERTENSIVE HEART AND RENAL DISEASE	8	7	-	1	2	2	-	-	6	5	-	1
ISCHEMIC HEART DISEASES	1,076	963	41	72	656	586	24	46	420	377	17	26
__(52) ACUTE MYOCARDIAL INFARCTION	390	346	19	25	237	216	10	11	153	130	9	14
__(53) OTHER ACUTE ISCHEMIC HEART DISEASES	6	4	1	1	3	2	1	-	3	2	-	1
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	680	613	21	46	416	368	13	35	264	245	8	11
__(54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	113	105	3	5	76	70	2	4	37	35	1	1
__(55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	567	506	18	41	340	298	11	31	227	210	7	10
__(56) ALL OTHER FORMS OF HEART DISEASE	398	348	12	38	177	153	10	14	221	195	2	24
__(90#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSIVE RENAL RENAL DISEASE	61	55	2	4	14	12	-	2	47	43	2	2
__(61#) CEREBROVASCULAR DISEASES	521	444	19	58	207	185	4	18	314	259	15	40
__(62#)ATHEROSCLEROSIS	30	27	1	2	15	14	-	1	15	13	1	1
_OTHER DISEASES OF CIRCULATORY SYSTEM	84	74	2	8	46	45	-	3	36	29	2	5
__(63#) AORTIC ANEURYSM AND DISSECTION	48	42	-	6	34	31	-	3	14	11	-	3
__(64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	36	32	2	2	14	14	-	-	22	18	2	2
__(65) OTHER DISORDERS OF CIRCULATORY SYSTEM	16	10	2	4	9	6	-	3	7	4	2	1
__(#) INFLUENZA AND PNEUMONIA	212	193	6	13	99	90	3	6	113	103	3	7
__(98) INFLUENZA	26	25	-	1	10	9	-	1	16	16	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-2, (CONCLUDED)

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
(87) PNEUMONIA	166	160	6	12	89	81	3	5	97	87	3	7
OTHER ACUTE LOWER RESPIRATORY INFECTIONS	2	2	-	-	-	-	-	-	2	2	-	-
(9) CHRONIC LOWER RESPIRATORY DISEASE	580	515	16	49	291	259	6	26	289	256	10	23
(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	1	1	-	-	-	-	-	-	1	1	-	-
(71) EMPHYSEMA	62	53	4	5	32	30	1	1	30	23	3	4
(72) ASTHMA	10	8	1	1	4	3	-	1	6	5	1	-
(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	507	453	11	43	255	226	5	24	252	227	6	19
(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	7	7	-	-	6	6	-	-	1	1	-	-
(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	60	51	2	7	44	38	1	5	16	13	1	2
(76) OTHER DISEASES OF RESPIRATORY SYSTEM	95	84	7	4	47	40	4	3	48	44	3	1
(77#) PEPTIC ULCER	12	10	-	2	4	3	-	1	8	7	-	1
(78#) DISEASES OF APPENDIX	3	3	-	-	2	2	-	-	1	1	-	-
(79#) HERNIA	4	3	1	-	2	2	-	-	2	1	1	-
(8) CHRONIC LIVER DISEASE AND CIRRHOSIS	120	79	31	10	71	52	14	5	49	27	17	5
(80) ALCOHOLIC LIVER DISEASE	79	45	26	8	48	32	11	5	31	13	15	3
(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	41	34	5	2	23	20	3	-	18	14	2	2
(82#) CHOLETITHIASIS AND OTHER DISORDERS OF GALLBLADDER	11	10	-	1	8	6	-	-	5	4	-	1
(#) NEPHRITIS, NEPHROTICSYNDROM AND NEPHROSIS	109	99	3	7	56	53	-	3	53	46	3	4
(86) RENAL FAILURE	108	98	3	7	55	52	-	3	53	46	3	4
(86) OTHER DISORDERS OF KIDNEY	1	1	-	-	1	1	-	-	-	-	-	-
(87#) INFECTIONS OF KIDNEY	4	3	-	1	1	1	-	-	3	2	-	1
(88#) HYPERPLASIA OF PROSTATE	2	2	-	-	2	2	-	-	-	-	-	-
(89#) INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	-	1	-	-	-	-	-	1	-	1	-
(9) PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	6	5	1	-	-	-	-	-	6	5	1	-
(91) OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	6	5	1	-	-	-	-	-	6	5	1	-
(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	35	29	4	2	15	11	2	2	20	18	2	-
(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	32	22	5	5	20	14	3	3	12	8	2	2
(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHER E CLASSIFIED	166	145	12	9	60	48	8	4	106	97	4	5
(96) ALL OTHER DISEASES (RESIDUAL)	895	781	38	76	375	326	18	31	520	455	20	45
(#) ACCIDENTS	517	421	49	47	335	278	27	30	182	143	22	17
TRANSPORT ACCIDENTS	251	195	30	26	186	144	21	21	65	51	9	5
(96) MOTOER VEHICLE ACCIDENTS	233	183	28	22	174	138	19	17	59	45	9	5
(97) OTHER LAND TRANSPORT ACCIDENTS	7	4	2	1	5	2	2	1	2	2	-	-
(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	11	8	-	3	7	4	-	3	4	4	-	-
NONTRANSPORT ACCIDENTS	263	223	19	21	147	132	6	9	116	91	13	12
(#) INTENTIAL SELF-HARM (SUICIDE)	205	175	13	17	168	145	8	15	37	30	5	2
(105) INTENTIAL SELF-HARM (SUICIDE) BY DISCHARGE OF FIEARMS	135	117	3	15	120	104	3	13	15	13	-	2
(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	71	58	10	3	48	41	5	2	23	17	5	1
(#) ASSAULT (HOMICIDE)	32	21	6	3	23	15	6	2	9	6	2	1
(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	17	12	4	1	13	9	3	1	4	3	1	-
(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	15	9	4	2	10	6	3	1	5	3	1	1
(109#) LEGAL INTERVENTION	3	3	-	-	3	3	-	-	-	-	-	-
EVENTS OF UNDETERMINED INTENT	26	21	2	3	15	12	1	2	11	9	1	1
(110) DISCHARGE OF FIREARMS, UNDETERMINED INTENT	2	2	-	-	1	1	-	-	1	1	-	-
(111) OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	24	19	2	3	14	11	1	2	10	8	1	1

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-3

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2005*

ICD-09			810-825		800-807 826-848		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10 9 G31 2		C00-C97 9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136.7	5	1.3	509	135 4	56	14 9	157	41 7
1915	556	110 8	31	6 6	525	112 2	66	14 1	223	47 6
1920	473	88 3	45	6 2	426	78 1	10	1 8	282	51 4
1925	505	93 0	98	16 1	407	75 0	41	7 6	379	69 8
1930	498	92 6	106	19 7	392	72 9	69	12 8	424	78 9
1935	552	100 5	161	29 3	391	71 2	14	2 5	528	96 2
1940	539	96 3	154	27 5	385	68 8	41	7.3	640	114 4
1945	498	86 7	118	23 4	380	75 3	13	2 6	658	130 4
1946	517	99.1	168	31 8	351	67 3	15	2 9	662	126 8
1947	537	99 8	157	29 1	380	70 5	19	3 5	712	132 0
1948	575	103 3	165	29 6	410	73 7	14	2 5	724	130 1
1949	552	96 2	152	26 5	400	69 7	17	3 0	726	127 0
1950	545	92 2	190	32 1	355	60 1	14	2 4	733	124 0
1951	525	88 1	187	31 4	338	56 7	17	2 9	726	121 8
1952	564	93 7	235	39 0	329	54 7	13	2 2	798	132 8
1953	534	86 7	228	37 0	306	49 7	17	2 8	809	131 3
1954	531	85 1	219	35 1	312	50 0	19	3 0	868	139 1
1955	549	86 3	239	37 6	310	48 7	26	4 4	829	130 3
1956	574	87 5	265	40 4	309	47 1	22	3 4	832	142 1
1957	541	81 1	219	32 8	322	48 3	20	3.0	877	131 5
1958	497	74 6	206	30 9	291	43 7	18	2.7	859	129 0
1959	565	84 5	258	38 6	307	45 9	15	2 2	920	137.5
1960	510	75 6	226	33 5	284	42 1	13	1 9	958	142 0
1961	516	76.0	270	39 8	248	36 4	18	2 6	965	141 5
1962	550	77 6	232	32 7	316	44 9	19	2 7	911	128 5
1963	517	73 1	216	30 6	299	42 3	12	1 7	898	126 7
1964	648	91 9	250	35 5	398	56 5	13	1 8	986	139 8
1965	591	83 7	268	38 0	323	45 6	14	2 0	933	132 2
1966	560	79 8	265	37 7	295	42 0	24	3 4	969	138 0
1967	607	86 6	318	45 4	289	41 2	12	1.7	1,001	142 8
1968	535	77 2	282	37 8	273	39 4	29	4 2	1,080	155 6
1969	635	91 5	329	47 4	306	44 1	10	1 4	1,041	150 0
1970	571	82 2	290	41 6	281	40 5	25	3 6	1,059	152 5
1971	609	85 8	310	43 7	299	42 1	19	2 7	1,051	148 0
1972	635	88 3	360	50 1	275	38 2	17	2 4	1,122	156.1
1973	611	84 7	324	44 9	287	39 8	20	2 8	1,061	147 2
1974	559	76 1	272	37 0	287	39 0	14	1 9	1,130	153 7
1975	584	78 1	282	37 7	302	40 4	28	3 7	1,105	147 7
1976	579	76 9	291	38 6	288	38 2	23	3 1	1,191	158 2
1977	574	75 4	302	39 7	272	35 7	25	3 3	1,184	155 8
1978	558	71 1	276	35 2	282	35 9	23	2 9	1,233	157 1
1979	596	75 8	313	39 8	283	38 0	22	2 8	1,240	157 8
1980	570	72 5	311	39 5	259	32 9	25	3 2	1,291	164 1
1981	553	69 7	308	38 8	245	30 9	32	4 0	1,343	169 4
1982	471	58 8	238	29 5	235	29 3	30	3.7	1,384	172 6
1983	518	63.2	267	32 7	249	30 5	16	2 0	1,350	165 2
1984	440	53 4	233	28 3	207	25 1	16	2 2	1,467	178.0
1985	417	50 5	210	25 4	207	25 1	20	2 4	1,445	174 9
1986	403	49 2	226	27 8	175	21 4	27	3 3	1,475	180 1
1987	418	51 4	223	27 6	193	23 9	22	2.7	1,516	187 4
1988	368	45.7	200	24 8	168	20 9	22	2 7	1,561	193 9
1989	360	44 7	171	21 2	189	23.5	16	2 0	1,593	197 7
1990	388	48 8	210	26 3	188	23 5	21	2 6	1,630	204 0
1991	384	47 5	183	22 6	201	24 9	19	2 4	1,656	205 0
1992	399	48 4	182	22 1	217	26 3	29	3 5	1,710	207 6
1993	375	44 7	182	21 7	193	23 0	26	3 1	1,738	207 2
1994	391	45.7	192	22 4	199	23 2	31	3 6	1,740	203 2
1995	374	43 0	191	21 9	183	21.0	21	2 4	1,765	202 8
1996	396	45 0	191	21 7	205	23 3	23	2 6	1,762	200 4
1997	443	50 4	230	26 2	213	24 2	18	2 0	1,779	202 4
1998	463	52 6	219	24 9	244	27 7	34	3 9	1,816	206 3
1999	461	52 2	191	21 6	270	30 6	22	2 5	1,845	209 0
2000	484	53 6	228	25 3	256	28 4	29	3 2	1,881	208 3
2001	468	51 7	209	23 1	259	28 6	35	3 9	1,952	215 6
2002	523	57 5	250	27 5	273	30 0	30	3 3	1,901	209 0
2003	515	56 1	257	28 0	256	26 1	39	4 3	1,838	200 3
2004	529	58 6	237	26 2	292	32 3	32	3.5	1,858	205 6
2005	517	55 3	233	24 9	284	30 4	39	4 2	1,947	208 1

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.8, V89.3-X59, Y85-Y86

TABLE D-3 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2005*

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-E14 9		I00-I09 9, I11, I13, I120-I51		X85-Y09 9 Y87 1		N00-N07 9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10 1	257	68.3	37	9 8	222	59 0	282	75 0	81	21 5
1915	65	13 9	407	87 0	53	11 3	339	72 4	511	109.2	103	22.0
1920	80	10.9	428	78 1	46	8 4	273	49 8	576	105 0	88	15 7
1925	64	11 8	672	123 8	51	9 4	301	55 4	437	80 5	102	18 8
1930	87	18 2	759	141.2	57	10.8	395	73.5	425	79.1	136	25.3
1935	112	20 4	1,299	236.8	34	8 2	355	64 7	674	122 8	96	17 5
1940	109	19 5	1,447	256 6	29	5 2	285	52.7	321	57 4	120	21 4
1945	128	25.6	1,603	317.7	19	3.8	279	55.3	196	38 8	79	15 7
1948	137	26.3	1,829	312.1	22	4 2	276	52.9	235	45.0	98	18.8
1947	130	24 1	1,690	313 4	14	2 8	266	49 3	223	41 4	96	17.8
1948	118	21.2	1,803	324 0	15	2.7	247	44 4	189	34 0	86	15.8
1949	102	17 8	2,002	348 9	21	3 7	129	22 5	144	25.1	89	15.5
1950	49	8 3	1,957	331.1	24	4 1	80	13.5	157	26.8	123	20 8
1951	58	9 7	2,156	362 2	15	2 5	85	14 3	121	20 3	95	14 3
1952	83	13 8	2,032	337.5	17	2 8	120	19.9	147	24 4	84	14 0
1953	73	11 9	2,164	351.3	23	3.7	77	12 5	180	29 2	106	17 2
1954	95	15 2	2,128	341.0	29	4 8	90	14 4	179	28 7	104	16 7
1955	108	17 0	2,116	332 7	21	3 3	94	14 8	155	24 4	79	12 4
1956	98	14 9	2,165	330 0	32	4 8	83	12 7	211	32 2	96	14 9
1957	118	17 7	2,290	343 3	23	3 4	71	10 8	249	37 3	105	15.7
1958	109	16 4	2,244	336 9	17	2 8	53	8 0	260	39 0	101	15 2
1959	123	18 4	2,382	356 1	29	4 3	58	8 7	231	34 5	97	14 5
1960	102	15.1	2,332	345 6	25	3 7	51	7 6	227	33 6	107	15 9
1961	117	17 2	2,269	332 7	21	3 1	41	6 0	219	32 1	96	14 1
1962	121	17 1	2,204	310 9	21	3 0	63	8 9	195	27 5	110	15.5
1963	125	17 7	2,340	331.0	22	3 1	42	5 9	218	30 8	115	16.3
1964	139	19.7	2,368	335 9	30	4 3	45	6 4	228	32 1	80	11 3
1965	114	18.1	2,297	325 4	20	2 8	35	5 0	196	28.0	94	13.3
1966	106	15.1	2,415	344 0	23	3 3	42	6 0	230	32 8	96	13.7
1967	143	20 4	2,297	327 7	31	4 4	38	5.4	196	28 0	100	14 3
1968	119	17 2	2,223	320 8	25	3 8	20	2.9	213	30.7	97	14 0
1969	117	16 9	2,297	331 0	31	4 5	21	3.0	201	29 0	91	13.1
1970	111	16.0	2,229	321.0	30	4 3	26	3.7	213	30 7	79	11 4
1971	120	16 9	2,338	329 4	43	6 1	19	2 7	210	29 6	117	16.5
1972	135	16 8	2,294	319.1	32	4 5	17	2 4	220	30.6	87	12 1
1973	128	17.5	2,300	319.0	46	6 4	27	3.7	238	32.7	108	15 0
1974	103	14 0	2,202	299 6	44	6 0	20	2 7	192	26.1	122	16.6
1975	122	16 3	2,178	291 2	42	5 6	19	2 5	185	24 7	112	15 0
1976	100	13 3	2,178	289 2	38	5 0	17	2 3	207	27 5	129	17 1
1977	89	11 7	2,146	282 4	53	7 0	24	3 2	144	18 9	143	18 8
1978	114	14 5	2,168	276 3	40	5 1	20	2 5	199	25 4	122	15 5
1979	94	12 0	2,302	292 9	39	5 0	46	5 9	143	18 2	123	15 6
1980	103	13 1	2,332	296 4	40	5.1	43	5.5	169	21.5	118	14 7
1981	95	12 0	2,279	287 4	47	5 9	70	8 8	171	21 8	137	17.3
1982	115	14 4	2,238	279 2	36	4 5	57	7 1	196	24.5	128	15 7
1983	103	12 8	2,241	274.3	33	4 0	62	7 6	219	28 8	143	17 5
1984	113	13.7	2,270	275 5	37	4 5	57	6 9	204	24 8	137	16 6
1985	123	14 9	2,201	266.5	48	5.9	58	7.0	211	25 5	144	17 4
1986	109	13.3	2,196	266.1	41	5.0	40	4 8	206	25.0	181	22 1
1987	116	14.3	2,109	260.7	39	4 8	60	7 4	192	23.7	159	19 7
1988	154	19 1	2,057	255.5	35	4 3	60	7 5	219	27 2	153	19 0
1989	170	21.1	2,019	250 8	32	4 0	47	5 8	224	27 8	158	19 7
1990	154	19 3	1,947	243 7	35	4 4	48	6 0	213	26.7	167	20 9
1991	181	22 4	1,944	240 8	38	4 5	51	6.3	245	30 3	167	20.7
1992	164	19 9	1,904	231 2	35	4 2	58	8 8	259	31 4	151	18 3
1993	191	22 8	2,110	251 5	39	4 8	59	7 0	249	29 7	154	18 4
1994	215	25 1	1,907	222.7	34	4 0	78	8 9	278	32.2	159	18 8
1995	210	24.1	2,003	230 2	45	5.2	56	6 4	313	36.0	197	22 6
1996	187	21.3	2,131	242 3	37	4 2	81	9 2	238	27 1	174	19 9
1997	169	19 2	2,097	236 8	37	4 2	98	11.2	299	34.0	179	20 4
1998	198	22.3	2,001	227.3	28	3 0	90	10.2	311	35.3	156	17.7
1999	243	27.5	2,034	230 4	32	3 6	93	10.5	213	24 1	161	18 2
2000	228	25 1	1,985	220.0	35	3 9	115	12.7	192	21 3	157	17.4
2001	229	25 3	1,962	218 9	31	3 4	127	14.0	191	21 1	174	19 2
2002	211	23 2	1,931	212.3	23	2 5	104	11 4	247	27 2	182	20 0
2003	283	28 7	1,974	215 1	37	4 0	101	11 0	239	28.0	179	19 5
2004	238	26 1	1,834	203.0	25	2 8	107	11 8	181	17.8	174	19.3
2005	283	30 2	1,842	196 9	32	3 4	109	11.8	186	19 9	206	21.9

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-4

FREQUENCY OF DEATH FROM SELECTED UNDERLYING CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	ICD 9	800-949	540-543	140-208	430-438	250	390-398, 402, 404, 410-429	487	320-322	360-369	580-589	480-486	045, 138	010-018, 137	ALL OTHER CAUSES
	ICD 10	V01-X59, Y85-Y86	K35-K38	C00-C97	I60-I69	E10-E14	I00-I09, I11, I13, I20-I51	J10-J11	G00-G03	A39	N00-N07, N17-N19, N25-N27	J12-J18	A80, B91	A16-A19, B90	
	TOTAL	ACCIDENTS	APPENDICITIS	CANCER	CEREBROVASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENINGITIS	MENINGOCOCCAL	NEPHRITIS	PNEUMONIA	POLIOMYELITIS	TUBERCULOSIS	
MONTANA TOTAL	8,497	517	3	1,947	521	283	1,842	26	6	-	109	186	-	3	3,955
BEAVERHEAD	59	4	-	15	2	3	14	-	-	-	1	-	-	-	20
BIG HORN	104	11	-	18	12	6	19	-	-	-	-	3	-	-	35
BLAINE	67	6	-	13	6	1	14	-	-	-	2	1	-	-	24
BROADWATER	47	2	-	21	5	1	7	-	-	-	2	-	-	1	8
CARBON	100	7	-	22	6	6	18	-	-	-	-	3	-	-	38
CARTER	10	1	-	4	-	-	2	-	-	-	-	1	-	-	2
CASCADE	808	47	-	187	62	26	152	-	-	-	6	17	-	-	311
CHOUTEAU	63	5	-	18	5	4	7	-	1	-	2	-	-	-	21
CUSTER	145	3	-	41	7	8	27	-	-	-	4	3	-	-	52
DANIELS	29	2	-	11	2	2	3	-	-	-	-	1	-	-	8
DAWSON	110	3	-	29	8	5	25	-	-	-	-	3	-	-	39
DEER LODGE	140	6	-	29	6	3	33	1	-	-	8	8	-	-	44
FALLON	27	3	-	8	2	1	7	-	-	-	-	1	-	-	7
FERGUS	140	7	-	30	11	1	37	-	-	-	3	3	-	-	48
FLATHEAD	713	47	-	181	46	18	172	2	-	-	11	13	-	1	242
GALLATIN	390	20	-	93	23	8	78	1	-	-	5	7	-	-	154
GARFIELD	13	-	-	6	1	-	2	-	-	-	-	2	-	-	2
GLACIER	129	10	-	25	7	6	29	-	-	-	1	-	-	-	51
GOLDEN VALLEY	7	-	-	1	-	-	1	-	-	-	-	-	-	-	5
GRANITE	29	1	-	10	2	-	10	-	-	-	-	-	-	-	8
HILL	134	7	-	29	12	2	35	-	-	-	1	4	-	-	44
JEFFERSON	80	5	-	14	6	4	12	2	-	-	2	3	-	-	32
JUDITH BASIN	16	1	-	10	-	1	5	-	-	-	-	-	-	-	1
LAKE	248	24	-	55	13	6	54	-	-	-	7	9	-	-	80
LEWIS & CLARK	505	23	-	119	27	8	115	5	-	-	2	14	-	-	192
LIBERTY	25	1	-	4	2	3	4	2	-	-	-	-	-	-	6
LINCOLN	194	14	-	48	9	9	37	-	1	-	2	1	-	-	73
MCCONE	20	3	-	3	2	1	4	-	-	-	-	1	-	-	8
MADISON	62	8	-	14	5	1	10	-	-	-	2	-	-	-	24
MEAGHER	30	4	-	13	2	2	3	-	-	-	1	-	-	-	5
MINERAL	40	3	1	12	3	2	6	-	-	-	2	-	-	-	8
MISSOULA	724	54	-	177	32	26	137	3	1	-	7	22	-	-	265
MUSSELSHELL	53	1	-	11	2	3	18	-	-	-	1	2	-	-	17
PARK	130	6	-	29	3	3	26	-	-	-	1	4	-	-	55
PETROLEUM	4	1	-	1	-	-	1	-	-	-	-	1	-	-	-
PHILLIPS	40	5	-	11	-	-	8	-	-	-	3	1	-	-	12
PONDERA	72	8	-	15	2	3	18	-	-	-	1	5	-	-	24
POWDER RIVER	18	1	-	5	2	-	5	-	-	-	-	-	-	-	3
POWELL	75	5	-	22	4	2	14	-	-	-	1	4	-	-	23
PRAIRIE	15	-	-	3	2	-	6	-	-	-	-	-	-	-	4
RAVALLI	377	17	-	95	26	8	77	1	-	-	5	7	-	-	141
RICHLAND	106	8	-	21	3	3	29	-	-	-	1	-	-	-	43
ROOSEVELT	117	8	-	20	10	10	22	-	-	-	1	1	-	-	45
ROSEBUD	87	6	-	19	3	2	16	-	-	-	2	2	-	-	34
SANDERS	127	10	-	35	1	8	30	1	-	-	-	2	-	-	40
SHERIDAN	52	1	-	10	5	2	15	-	-	-	-	5	-	-	14
SILVER BOW	439	21	2	90	25	20	118	-	-	-	3	9	-	1	150
STILLWATER	81	6	-	13	6	1	19	-	-	-	-	-	-	-	34
SWEET GRASS	34	2	-	5	3	-	5	-	-	-	-	-	-	-	19
TETON	77	5	-	21	3	6	18	-	-	-	-	4	-	-	20
TOOLE	59	7	-	18	2	2	12	3	-	-	1	2	-	-	14
TREASURE	9	-	-	5	2	-	1	-	-	-	-	1	-	-	-
VALLEY	70	3	-	11	3	5	27	-	-	-	1	-	-	-	20
WHEATLAND	26	3	-	6	-	1	3	-	-	-	3	-	-	-	8
WIBAUX	15	2	-	1	-	-	5	-	-	-	-	-	-	-	7
YELLOWSTONE	1,201	55	-	244	87	38	271	5	2	-	14	18	-	-	489
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	5	2	-	-	1	-	-	-	-	-	-	-	-	-	2

* INCLUDES "STROKE."

TABLE D-5

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA RESIDENTS, 1954-2005

YEAR OF DEATH *	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT																		
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER		UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1954	511	357	67	-	77	94	12	55	46	13	6	20	18	11	25	28	17	17	236	118
1955	458	371	55	-	73	73	13	47	62	18	3	13	17	10	24	27	17	23	221	133
1956	529	403	66	-	73	99	25	75	61	24	6	27	14	15	22	28	19	28	221	127
1957	517	360	63	-	63	110	10	69	53	19	8	19	19	8	23	33	17	27	204	132
1958	474	385	52	2	74	100	12	59	54	21	7	22	17	14	22	26	11	17	197	152
1959	556	364	66	-	71	88	9	84	49	25	8	14	18	13	28	40	25	25	235	124
1960	557	401	78	-	85	121	17	91	56	18	7	20	32	9	25	30	20	26	199	136
1961	524	441	82	-	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	528	383	65	-	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	18	32	228	149
1965	546	387	71	-	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	-	87	125	16	65	83	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	68	-	98	121	26	91	63	28	8	19	20	17	37	39	19	28	196	140
1968	604	476	66	-	96	150	23	64	59	38	4	18	33	18	38	46	31	22	207	189
1969	619	422	66	-	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	481	75	2	101	152	34	86	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	-	92	184	44	85	69	25	7	16	17	20	25	37	34	18	230	182
1973	580	481	86	-	95	172	37	87	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	-	85	187	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	-	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	-	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	1	105	194	89	77	84	27	12	23	17	18	39	37	31	20	220	187
1980	743	548	91	-	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	-	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	249	188
1983	732	618	92	2	112	218	90	73	84	24	3	20	30	22	45	38	54	12	255	196
1984	783	704	88	1	124	231	128	83	91	17	11	28	28	28	38	43	39	18	272	203
1985	829	618	118	1	108	223	118	100	84	44	8	23	27	28	35	48	31	15	268	188
1986	791	684	134	-	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	281	191
1988	831	730	110	4	117	251	183	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	-	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	787	130	-	151	267	140	92	86	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	-	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	785	133	1	123	283	174	99	65	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	-	159	263	201	89	63	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	-	143	291	194	95	88	20	9	20	39	47	41	38	42	13	334	225
1997	956	821	151	-	118	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	106	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	378	250
2001	1,045	907	124	-	124	322	256	105	80	39	15	23	58	35	43	39	81	7	360	283
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2003	981	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	281
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249
2005	1,020	927	129	-	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250

*Data for this table were coded using six different revisions of the International Classification of Diseases (ICD), which were implemented in the following years: ICD-6 (1949 - 1957); ICD-7 (1958-1967); ICD-8 (1968-1978); ICD-9 (1979-1998); ICD-10 (1999-present).

TABLE D-6

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT								
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	1020	927	129	-	134	301	249	99	88	33	14
BEAVERHEAD	7	8	2	-	-	2	2	-	2	1	-
BIG HORN	6	10	-	-	1	2	-	1	-	1	-
BLAINE	6	7	1	-	-	2	1	-	1	-	-
BROADWATER	11	10	1	-	-	2	4	1	1	1	-
CARBON	14	8	4	-	1	5	3	-	-	-	-
CARTER	1	3	-	-	1	1	1	-	-	-	-
CASCADE	97	90	10	-	13	34	25	8	9	2	-
CHOUTEAU	9	9	-	-	-	5	2	1	3	-	-
CUSTER	24	17	4	-	3	14	2	2	1	-	-
DANIELS	8	3	1	-	1	2	1	1	-	-	-
DAWSON	15	14	1	-	4	6	3	3	1	-	-
DEER LODGE	20	9	3	-	2	6	2	2	2	-	-
FALLON	-	6	-	-	1	-	1	-	1	-	-
FERGUS	12	16	1	-	2	3	3	1	-	-	-
FLATHEAD	85	76	6	-	10	25	22	6	6	4	2
GALLATIN	49	44	5	-	5	17	4	6	6	1	1
GARFIELD	3	3	-	-	-	2	-	-	-	-	-
GLACIER	15	10	1	-	2	4	2	-	2	-	-
GOLDEN VALLEY	-	1	-	-	1	-	-	-	-	-	-
GRANITE	7	3	-	-	-	1	-	-	-	-	-
HILL	12	17	-	-	2	2	7	3	1	2	-
JEFFERSON	8	6	1	-	1	3	2	3	-	-	1
JUDITH BASIN	7	3	2	-	1	1	1	-	-	-	-
LAKE	33	22	-	-	4	7	4	5	3	-	-
LEWIS & CLARK	61	58	9	-	6	21	17	3	5	1	2
LIBERTY	2	2	-	-	1	1	-	-	-	-	-
LINCOLN	16	32	1	-	7	2	11	1	4	-	-
MCCONE	2	1	-	-	1	1	-	-	-	-	-
MADISON	7	7	-	-	-	3	3	1	1	1	-
MEAGHER	6	7	2	-	-	1	3	-	2	-	-
MINERAL	10	2	-	-	-	3	1	3	-	-	-
MISSOULA	89	88	14	-	12	22	21	8	4	4	1
MUSSELSHELL	3	6	-	-	1	2	2	-	-	-	-
PARK	12	17	2	-	1	1	5	-	3	2	1
PETROLEUM	1	-	-	-	-	-	-	-	-	-	-
PHILLIPS	4	7	-	-	-	2	3	-	-	-	-
PONDERA	11	4	3	-	1	1	2	-	-	-	-
POWDER RIVER	3	2	-	-	-	1	1	-	-	-	-
POWELL	13	9	1	-	2	7	3	1	-	-	-
PRAIRIE	1	2	-	-	-	-	-	-	-	-	-
RAVALLI	49	46	9	-	7	13	7	4	8	4	2
RICHLAND	12	9	2	-	1	3	2	3	1	-	-
ROOSEVELT	11	9	1	-	3	2	3	2	1	-	-
ROSEBUD	11	6	3	-	1	1	-	1	1	1	-
SANDERS	20	15	1	-	1	5	4	1	1	1	-
SHERIDAN	7	3	-	-	3	-	-	2	-	1	-
SILVER BOW	45	45	4	-	5	16	17	6	5	2	2
STILLWATER	7	6	-	-	-	4	3	1	1	-	-
SWEET GRASS	4	1	1	-	-	1	-	1	-	-	-
TETON	16	5	7	-	2	1	1	2	-	-	-
TOOLE	8	8	3	-	1	1	1	1	-	1	-
TREASURE	2	3	-	-	1	1	1	1	-	-	-
VALLEY	6	5	3	-	1	1	1	-	1	-	-
WHEATLAND	3	5	-	-	2	-	-	-	-	-	1
WIBAUX	1	-	-	-	-	-	-	1	-	-	-
YELLOWSTONE	128	116	20	-	19	38	45	13	11	3	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE D-6 (CONCLUDED)

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	SITE OF CANCER AND SEX OF DECEDENT								
	UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	33	44	36	59	60	53	11	354	250
BEAVERHEAD	-	-	1	-	-	1	-	2	2
BIG HORN	1	-	1	-	-	-	-	2	7
BLAINE	-	1	-	-	1	1	-	1	4
BROADWATER	-	-	-	1	-	-	1	6	3
CARBON	-	1	-	-	-	-	-	4	4
CARTER	-	-	-	-	-	-	-	-	1
CASCADE	4	2	4	3	4	3	1	37	28
CHOUTEAU	1	-	1	-	1	1	-	2	1
CUSTER	2	-	-	-	1	3	-	3	6
DANIELS	-	1	-	-	1	-	-	2	1
DAWSON	2	-	-	1	-	1	-	5	2
DEER LODGE	-	-	1	-	-	-	-	9	2
FALLON	-	-	-	-	-	-	-	-	3
FERGUS	1	-	1	1	1	1	-	8	9
FLATHEAD	3	3	2	7	11	7	1	30	18
GALLATIN	2	1	5	3	3	3	1	16	14
GARFIELD	-	-	-	1	-	1	-	1	1
GLACIER	-	1	-	-	1	-	1	8	3
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-
GRANITE	-	1	-	-	-	2	-	5	1
HILL	-	-	1	1	-	3	-	5	2
JEFFERSON	-	-	-	-	-	-	-	1	2
JUDITH BASIN	-	-	-	-	-	-	-	4	1
LAKE	1	3	1	3	3	1	-	15	5
LEWIS & CLARK	3	5	2	5	3	-	3	19	15
LIBERTY	-	-	-	-	1	-	-	-	1
LINCOLN	1	3	1	1	1	-	1	8	6
MCCONE	-	-	-	-	-	-	-	1	-
MADISON	1	-	-	-	-	1	-	2	1
MEAGHER	-	-	-	-	1	1	-	2	1
MINERAL	-	-	-	-	-	-	-	4	1
MISSOULA	2	2	4	8	7	6	-	32	30
MUSSELSHELL	1	-	-	1	-	-	-	1	3
PARK	1	2	1	2	-	2	-	5	1
PETROLEUM	-	-	-	-	-	-	-	1	-
PHILLIPS	-	-	-	-	-	-	-	2	4
PONDERA	-	1	-	1	-	-	-	6	-
POWDER RIVER	-	-	-	-	2	-	-	-	1
POWELL	-	1	-	1	-	1	-	3	2
PRAIRIE	-	-	1	-	-	-	-	1	1
RAVALLI	3	4	1	3	2	2	-	13	13
RICHLAND	-	2	1	-	-	2	-	2	2
ROOSEVELT	-	-	-	-	-	1	-	8	1
ROSEBUD	-	1	1	-	-	1	1	4	3
SANDERS	1	2	-	2	2	-	-	8	6
SHERIDAN	-	-	-	-	2	-	-	2	-
SILVER BOW	1	-	-	1	2	1	-	13	13
STILLWATER	-	-	-	-	-	-	-	2	2
SWEET GRASS	-	-	-	-	-	-	-	1	1
TETON	-	1	-	2	-	-	-	5	-
TOOLE	1	1	-	1	1	2	-	-	2
TREASURE	-	-	-	1	-	-	-	-	-
VALLEY	-	-	1	-	1	-	-	1	1
WHEATLAND	-	1	1	-	-	-	-	2	1
WIBAUX	-	-	-	-	-	-	-	-	-
YELLOWSTONE	1	4	4	9	8	5	1	44	20
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE 0-7

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH**	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS				29 DAYS TO LESS THAN 1 YEAR			
	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE
ALL CAUSES	61	61	14	6	40	32	4	4	9	5	3	1	32	24	7	
CERTAIN INFECTIOUS AND PARASITIC DISEASES	2	-	2	-	-	-	-	-	-	-	-	-	2	-	2	
___(6#) WHOOPING COUGH	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
__VIRAL DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
____(16#) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
____(32#) ALL OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(33#) MENINGITIS	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
(#) DISEASES OF THE CIRCULATORY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
____(44#) ALL OTHER DISEASES OF CIRCULATORY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
DISEASES OF THE RESPIRATORY SYSTEM	2	1	1	-	-	-	-	-	-	-	-	-	2	1	1	
__(45#) ACUTE UPPER RESPIRATORY INFECTIONS	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
_____(51#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
DISEASES OF THE DIGESTIVE SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
____(53#) GASTRITIS DUODENITIS AND NONINFECTIVE ENTERITIS AND COLITIS	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	34	26	4	2	30	25	3	2	4	3	1	-	-	-	-	
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	13	12	-	1	13	12	-	1	-	-	-	-	-	-	-	
(59#) NEWBORN AFFECTED BY OTHER MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
__(#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	6	6	-	-	6	6	-	-	-	-	-	-	-	-	-	
__(60) NEWBORN AFFECTED BY INCOMPETENT CERVIX	3	3	-	-	3	3	-	-	-	-	-	-	-	-	-	
__(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	3	3	-	-	3	3	-	-	-	-	-	-	-	-	-	
__(#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	6	5	-	1	6	5	-	1	-	-	-	-	-	-	-	
__(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	5	5	-	-	5	5	-	-	-	-	-	-	-	-	-	
__(65) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING CORD	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	9	7	1	1	9	7	1	1	-	-	-	-	-	-	-	
__(71) EXTREAMLY LOW BIRTH WEIGHT OR EXTREAM IMMATURITY	7	5	1	1	7	5	1	1	-	-	-	-	-	-	-	
__(72) OTHER LOW BIRTH WEIGHT OR PRETERM	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	
(#) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	4	3	1	-	3	2	1	-	1	1	-	-	-	-	-	
__(76) BIRTH ASPHYXIA	4	3	1	-	3	2	1	-	1	1	-	-	-	-	-	
OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
__(79#) NEONATAL ASPIRATION SYNDROMES	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	4	4	-	-	3	3	-	-	1	1	-	-	-	-	-	
__(88#) NEONATAL HEMORAGE	4	4	-	-	3	3	-	-	1	1	-	-	-	-	-	
__(93#) NECROTIZING ENTERCOLITIS OF NEWBORN	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	
__(94#) HYDROPS FETALIS NOT DUE TO HEMOLYTIC DISEASE	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-	
__(95) OTHER PERINATAL CONDITIONS	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	
(#) CONGENITAL MALFORMATIONS, DEFORMATIES AND CHROMOSOMAL ABNORMALITIES	17	10	4	3	9	6	1	2	4	1	2	1	4	3	1	
__(99) OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-	
__(100) CONGENITAL MALFORMATIONS OF THE HEART	6	4	1	1	3	3	-	-	2	-	1	1	1	1	-	
__(101) OTHER CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(102) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	3	1	1	1	3	1	1	1	-	-	-	-	-	-	-	
__(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	
(105) CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	2	2	-	-	-	-	-	-	1	1	-	-	1	1	-	
__(106) DOWN'S SYNDROME	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
__(107) EDWARD'S SYNDROME	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	
__(109) OTHER CONGENITAL MALFORMATIONS AND DEFORMATIONS	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	18	16	2	-	-	-	-	-	1	1	-	-	17	15	2	
__(111#) SUDDEN INFANT DEATH SYNDROME	10	9	1	-	-	-	-	-	-	-	-	-	10	9	1	
EXTERNAL CAUSES OF MORTALITY	4	3	-	1	-	-	-	-	-	-	-	-	4	3	-	
(#) ACCIDENTS	2	1	-	1	-	-	-	-	-	-	-	-	2	1	-	
TRANSPORT ACCIDENTS	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(114) MOTOR VEHICLE ACCIDENTS	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(119) ACCIDENTAL SUFFICATION AND STRANGULATION IN BED	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	
(#) ASSAULT (HOMICIDE)	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(127) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(128) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	
__(130) OTHER EXTERNAL CAUSES AND THEIR SEQUELAE	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 13- SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 4. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-8

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2005

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 27 DAYS			28 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 2001-2005		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATE
MONTANA TOTAL	81	61	20	40	32	8	9	5	4	32	24	8	365	56,463	6.5
BEAVERHEAD	0	0	0	0	0	0	0	0	0	0	0	0	1	449	2.2
BIG HORN	2	-	2	-	-	-	-	-	-	2	-	2	9	1,288	7.0
BLAINE	3	2	1	-	-	-	-	-	-	3	2	1	5	563	8.9
BROADWATER	1	1	-	1	1	-	-	-	-	-	-	-	2	177	11.3
CARBON	1	1	-	-	-	-	-	-	-	1	1	-	2	428	4.7
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	39	
CASCADE	5	4	1	2	2	-	-	-	-	3	2	1	37	5,507	6.7
CHOUTEAU	1	1	-	1	1	-	-	-	-	-	-	-	2	224	8.9
CUSTER	-	-	-	-	-	-	-	-	-	-	-	-	5	667	7.5
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	1	70	14.3
DAWSON	1	1	-	-	-	-	-	-	-	1	1	-	4	443	9.0
DEER LODGE	2	2	-	1	1	-	-	-	-	1	1	-	6	392	15.3
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	1	143	7.0
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	1	497	2.0
FLATHEAD	6	5	1	4	3	1	1	1	-	1	1	-	29	5,067	5.7
GALLATIN	6	6	-	1	1	-	1	1	-	4	4	-	26	4,814	5.4
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	80	
GLACIER	4	1	3	1	-	1	-	-	-	3	1	2	13	1,302	10.0
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	52	
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	1	110	9.1
HILL	1	1	-	-	-	-	-	-	-	1	1	-	8	1,293	6.2
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-	3	475	6.3
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	77	
LAKE	2	1	1	-	-	-	2	1	1	-	-	-	16	1,836	8.7
LEWIS & CLARK	6	6	-	5	5	-	-	-	-	1	1	-	27	3,326	8.1
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	1	73	13.7
LINCOLN	1	1	-	1	1	-	-	-	-	-	-	-	8	896	8.9
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	73	
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	-	256	
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	1	103	9.7
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-	4	211	19.0
MISSOULA	4	4	-	2	2	-	-	-	-	2	2	-	27	5,733	4.7
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	1	237	4.2
PARK	4	1	3	2	-	2	1	-	1	1	1	-	6	806	7.4
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	19	
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	2	201	10.0
PONDERA	-	-	-	-	-	-	-	-	-	-	-	-	1	360	2.8
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	58	
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	2	277	7.2
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	35	
RAVALLI	2	2	-	1	1	-	-	-	-	1	1	-	13	2,129	6.1
RICHLAND	2	-	2	1	-	1	-	-	-	1	-	1	-	466	
ROOSEVELT	-	-	-	-	-	-	-	-	-	-	-	-	12	1,078	11.1
ROSEBUD	3	-	3	-	-	-	2	-	2	1	-	1	7	844	8.3
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-	3	499	6.0
SHERIDAN	1	1	-	1	1	-	-	-	-	-	-	-	1	101	9.9
SILVER BOW	4	4	-	1	1	-	1	1	-	2	2	-	10	1,874	5.3
STILLWATER	5	5	-	5	5	-	-	-	-	-	-	-	5	480	10.4
SWEET GRASS	1	1	-	1	1	-	-	-	-	-	-	-	3	193	15.5
TETON	-	-	-	-	-	-	-	-	-	-	-	-	1	309	3.2
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	238	
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	22	
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	3	412	7.3
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	101	9.9
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	31	
YELLOWSTONE	13	10	3	9	6	3	1	1	-	3	3	-	54	9,025	6.0
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	4	

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
\+ PER 1,000 LIVE BIRTHS.

TABLE D-9

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1930-2005

ICD-9	-51		-32		487		-55		-36	
ICD-10	A-5		A36		J1--J11		B-5		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1940	2	0.4	6	1.1	77	13.6	5	0.9	6	1.1
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1946	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	-	2	0.3	23	3.9	-	-	1	0.2
1951	2	0.3	-	-	30	5.0	9	1.5	5	0.8
1952	-	-	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	-	3	0.5	59	9.8	4	0.6	2	0.3
1954	-	-	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	-	1	0.2	12	1.9	4	0.8	5	0.8
1956	-	-	1	0.2	4	0.8	1	0.2	7	1.1
1957	-	-	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	-	-	-	14	2.1	2	0.3	4	0.6
1959	-	-	-	-	15	2.2	5	0.7	3	0.4
1960	-	-	-	-	37	5.5	1	0.1	3	0.4
1961	-	-	-	-	8	1.2	1	0.1	1	0.1
1962	-	-	-	-	12	1.7	-	-	4	0.6
1963	-	-	-	-	31	4.4	-	-	3	0.4
1964	1	0.1	-	-	29	4.1	2	0.3	2	0.3
1965	-	-	-	-	5	0.7	-	-	3	0.4
1966	1	0.1	-	-	49	7.0	-	-	2	0.3
1967	-	-	-	-	3	0.4	-	-	2	0.3
1968	-	-	-	-	30	4.3	-	-	2	0.3
1969	-	-	-	-	38	5.5	2	0.3	2	0.3
1970	-	-	2	0.3	8	1.2	-	-	1	0.1
1971	-	-	-	-	9	1.3	2	0.3	2	0.3
1972	-	-	-	-	15	2.1	-	-	2	0.3
1973	-	-	-	-	43	6.0	-	-	2	0.3
1974	-	-	-	-	11	1.5	-	-	1	0.1
1975	-	-	-	-	17	2.3	-	-	-	-
1976	-	-	-	-	95	12.8	-	-	-	-
1977	-	-	-	-	9	1.2	-	-	2	0.3
1978	-	-	-	-	19	2.4	-	-	2	0.3
1979	-	-	-	-	4	0.5	-	-	4	0.5
1980	-	-	-	-	24	3.1	-	-	-	-
1981	1	0.1	-	-	10	1.3	-	-	1	0.1
1982	-	-	-	-	8	1.0	-	-	1	0.1
1983	-	-	-	-	26	3.2	-	-	1	0.1
1984	-	-	-	-	19	2.3	-	-	-	-
1985	-	-	-	-	24	2.9	-	-	3	0.4
1986	-	-	-	-	24	2.9	-	-	-	-
1987	-	-	-	-	9	1.1	-	-	-	-
1988	-	-	-	-	21	2.6	-	-	-	-
1989	-	-	-	-	19	2.4	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0.3
1991	-	-	-	-	7	0.9	-	-	-	-
1992	-	-	-	-	7	0.8	-	-	-	-
1993	-	-	-	-	13	1.5	-	-	-	-
1994	-	-	-	-	15	1.6	-	-	1	0.1
1995	-	-	-	-	8	0.7	-	-	1	0.1
1996	-	-	-	-	11	1.3	-	-	2	0.2
1997	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	60	8.8	-	-	-	-
1999	-	-	-	-	35	4.0	-	-	1	0.1
2000	-	-	-	-	10	1.1	-	-	-	-
2001	-	-	-	-	3	0.3	-	-	2	0.2
2002	-	-	-	-	7	0.8	-	-	-	-
2003	-	-	-	-	18	2.0	-	-	-	-
2004	-	-	-	-	4	0.4	-	-	-	-
2005	-	-	-	-	26	2.8	-	-	-	-

* DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PRIOR TO 1948 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE D-9 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1930-2005

ICD-9		-45 138		-82-		137 -1---16		--2--		-33
ICD-10		A8-		A77		A16-A19		A-1-		A37
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1930	6	1.1	9	1.7	337	62.7	16	3.0	18	3.0
1935	1	0.2	21	3.8	257	46.6	12	2.2	22	4.0
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	--	6	1.1
1949	13	2.3	-	--	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	--	10	1.7
1951	6	1.0	-	--	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	--	77	12.5	-	--	4	0.6
1954	9	1.4	-	--	62	9.9	-	--	1	0.2
1955	8	1.3	-	--	50	7.9	-	--	1	0.2
1956	-	--	-	--	46	7.3	-	--	1	0.2
1957	2	0.3	-	--	66	10.2	-	--	2	0.3
1958	5	0.8	-	--	45	6.8	-	--	-	--
1959	2	0.3	-	--	37	5.5	-	--	-	--
1960	7	1.0	1	0.1	31	4.6	-	--	1	0.1
1961	1	0.1	-	--	24	3.5	1	0.1	-	--
1962	-	--	-	--	32	4.5	-	--	-	--
1963	-	--	-	--	27	3.8	-	--	-	--
1964	-	--	-	--	28	4.0	1	0.1	-	--
1965	-	--	-	--	22	3.1	-	--	-	--
1966	-	--	-	--	21	3.0	-	--	-	--
1967	-	--	-	--	17	2.4	-	--	-	--
1968	1	0.1	-	--	15	2.2	-	--	-	--
1969	-	--	-	--	16	2.3	-	--	-	--
1970	-	--	-	--	12	1.7	-	--	-	--
1971	1	0.1	-	--	1-	1.4	-	--	1	0.1
1972	-	--	-	--	11	1.5	-	--	-	--
1973	-	--	-	--	13	1.8	-	--	-	--
1974	1	0.1	-	--	17	2.3	-	--	-	--
1975	1	0.1	1	0.1	13	1.7	-	--	-	--
1976	-	--	-	--	9	1.2	-	--	-	--
1977	-	--	-	--	4	0.5	-	--	-	--
1978	1	0.1	-	--	11	1.4	-	--	-	--
1979	-	--	-	--	5	0.6	-	--	-	--
1980	-	--	-	--	6	0.6	-	--	-	--
1981	-	--	-	--	7	0.9	-	--	-	--
1982	-	--	-	--	7	0.9	-	--	-	--
1983	1	0.1	-	--	1	0.1	-	--	-	--
1984	2	0.2	-	--	10	1.2	-	--	-	--
1985	-	--	-	--	5	0.8	-	--	1	0.1
1986	-	--	-	--	5	0.6	-	--	-	--
1987	-	--	-	--	4	0.5	-	--	-	--
1988	1	0.1	-	--	2	0.2	-	--	-	--
1989	2	0.2	-	--	5	0.6	-	--	-	--
1990	-	--	-	--	2	0.3	-	--	-	--
1991	1	0.1	-	--	4	0.5	-	--	-	--
1992	1	0.1	-	--	4	0.5	-	--	-	--
1993	-	--	-	--	2	0.2	-	--	-	--
1994	-	--	-	--	6	0.7	-	--	-	--
1995	2	0.2	-	--	2	0.2	-	--	-	--
1996	2	0.2	-	--	1	0.1	-	--	1	0.1
1997	-	--	-	--	-	--	-	--	-	--
1998	1	0.1	-	--	4	0.5	-	--	-	--
1999	-	--	-	--	3	0.3	-	--	-	--
2000	-	--	-	--	2	0.2	-	--	-	--
2001	1	0.1	-	--	3	0.3	-	--	-	--
2002	1	0.1	-	--	-	--	-	--	-	--
2003	2	0.2	-	--	1	0.1	-	--	-	--
2004	2	0.2	-	--	-	--	-	--	-	--
2005	2	0.2	-	--	2	0.2	-	--	1	0.1

* DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE F-1

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH**	ALL GESTATIONAL AGES						LESS THAN 23 WEEKS					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	54	21	5	22	6	-	9	4	1	3	1	-
__Certain conditions originating in the perinatal period	49	20	4	19	6	-	8	3	1	3	1	-
____(#) Fetus affected by maternal complications of pregnancy	3	1	1	1	-	-	2	-	1	1	-	-
_____(27) Fetus affected by premature rupture of membranes	3	1	1	1	-	-	2	-	1	1	-	-
____(#) Fetus affected by complications of placenta, cord and membranes	26	12	3	9	2	-	4	2	-	2	-	-
_____(36) Fetus affected by other forms of placental separation and hemorrhage	9	4	2	3	-	-	3	1	-	2	-	-
_____(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	-	-	1	-	-	-	-	-	-	-	-
_____(38) Fetus affected by placental transfusion syndromes	1	1	-	-	-	-	1	1	-	-	-	-
_____(40) Fetus affected by other compression of umbilical cord	7	4	-	1	2	-	-	-	-	-	-	-
_____(41) Fetus affected by other and unspecified conditions of umbilical cord	8	3	1	4	-	-	-	-	-	-	-	-
____(53#) Slow fetal growth and fetal malnutrition	1	-	-	1	-	-	-	-	-	-	-	-
____(#) Intrauterine hypoxia and birth asphyxia	1	-	-	1	-	-	-	-	-	-	-	-
_____(62) Intrauterine hypoxia, unspecified	1	-	-	1	-	-	-	-	-	-	-	-
____Other respiratory conditions originating in the perinatal period	1	-	-	1	-	-	-	-	-	-	-	-
_____(65#) Aspiration syndromes	1	-	-	1	-	-	-	-	-	-	-	-
____Transitory endocrine and metabolic disorders specific to fetus	1	-	-	1	-	-	-	-	-	-	-	-
_____(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	1	-	-	1	-	-	-	-	-	-	-	-
____Other conditions originating in the perinatal period	16	7	-	5	4	-	2	1	-	-	1	-
_____(93) Condition originating in the perinatal period, unspecified	16	7	-	5	4	-	2	1	-	-	1	-
__(#) Congenital malformations, deformations and chromosomal abnormalities	5	1	1	3	-	-	1	1	-	-	-	-
____(103) Congenital malformations of heart	1	-	1	-	-	-	-	-	-	-	-	-
____Chromosomal abnormalities, not elsewhere classified	4	1	-	3	-	-	1	1	-	-	-	-
_____(117) Edward[illegible] syndrome	1	-	-	1	-	-	-	-	-	-	-	-
_____(119) Other chromosomal abnormalities, not elsewhere classified	3	1	-	2	-	-	1	1	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE F-1 (CONCLUDED)

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2005

CAUSE OF DEATH**	23 TO 33 WEEKS						34 WEEKS OR MORE					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	SEX OTHER FEMALE	NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	17	5	1	9	2	-	28	12	3	10	3	-
__Certain conditions onginating in the perinatal period	14	5	-	7	2	-	27	12	3	9	3	-
___(#) Fetus affected by maternal complications of pregnancy	1	1	-	-	-	-	-	-	-	-	-	-
_____(27) Fetus affected by premature rupture of membranes	1	1	-	-	-	-	-	-	-	-	-	-
___(#) Fetus affected by complications of placenta, cord and membranes	8	3	-	4	1	-	14	7	3	3	1	-
_____(36) Fetus affected by other forms of placental separation and hemorrhage	1	1	-	-	-	-	5	2	2	1	-	-
_____(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	-	-	1	-	-	-	-	-	-	-	-
_____(38) Fetus affected by placental transfusion syndromes	-	-	-	-	-	-	-	-	-	-	-	-
_____(40) Fetus affected by other compression of umbilical cord	2	1	-	-	1	-	5	3	-	1	1	-
_____(41) Fetus affected by other and unspecified conditions of umbilical cord	4	1	-	3	-	-	4	2	1	1	-	-
___(53#) Slow fetal growth and fetal malnutrition	1	-	-	1	-	-	-	-	-	-	-	-
___(#) Intrauterine hypoxia and birth asphyxia	1	-	-	1	-	-	-	-	-	-	-	-
_____(62) Intrauterine hypoxia, unspecified	1	-	-	1	-	-	-	-	-	-	-	-
___Other respiratory conditions onginating in the perinatal penod	-	-	-	-	-	-	1	-	-	1	-	-
_____(65#) Aspiration syndromes	-	-	-	-	-	-	1	-	-	1	-	-
___Transitory endocnne and metabolic disorders specific to fetus	-	-	-	-	-	-	1	-	-	1	-	-
_____(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	-	-	-	-	-	-	1	-	-	1	-	-
___Other conditions onginating in the perinatal period	3	1	-	1	1	-	11	5	-	4	2	-
_____(93) Condition originating in the perinatal penod, unspecified	3	1	-	1	1	-	11	5	-	4	2	-
__(#) Congenital malformations, deformations and chromosomal abnormalities	3	-	1	2	-	-	1	-	-	1	-	-
___(103) Congenital malformations of heart	1	-	1	-	-	-	-	-	-	-	-	-
___Chromosomal abnormalities, not elsewhere classified	2	-	-	2	-	-	1	-	-	1	-	-
_____(117) Edward§§ syndrome	-	-	-	-	-	-	1	-	-	1	-	-
_____(119) Other chromosomal abnormalities, not elsewhere classified	2	-	-	2	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE A-1

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS AND NUMBER OF PREVIOUS PREGNANCIES MONTANA OCCURRENCES, 2005

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,155	1,293	571	193	67	18	5	6	2
NONE	717	717	-	-	-	-	-	-	-
ONE	483	270	213	-	-	-	-	-	-
TWO	349	158	126	65	-	-	-	-	-
THREE	263	92	114	46	11	-	-	-	-
FOUR	156	30	71	35	20	-	-	-	-
FIVE	91	15	24	30	16	4	2	-	-
SIX	56	6	15	8	14	9	3	1	-
SEVEN	20	2	3	7	3	5	-	-	-
EIGHT	9	3	4	1	1	-	-	-	-
NINE OR MORE	9	-	1	1	2	-	-	5	-
NOT STATED	2	-	-	-	-	-	-	-	2

TABLE A-2

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2005

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,155
UNDER 12	-
12-14	7
15-17	206
18-19	261
20-24	737
25-29	412
30-34	289
35-39	170
40-44	69
45 AND OVER	3
NOT STATED	1

TABLE A-3

FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE*
MONTANA OCCURRENCES, 2005

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,155	1,358	361	189	99	62	46	39	1
DILATION AND EVACUATION (D&E)	147	-	-	-	29	41	39	38	-
INTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	6	2	-	-	-	1	2	1	-
SUCTION CURRETTAGE	1,852	1,207	361	189	70	20	4	-	1
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	150	149	-	-	-	-	1	-	-

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 2005

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	12	-	PONDERA	5	-
BIG HORN	26	-	POWDER RIVER	-	-
BLAINE	4	-	POWELL	5	-
BROADWATER	9	-	PRAIRIE	2	-
CARBON	17	-	RAVALLI	49	-
CARTER	-	-	RICHLAND	8	-
CASCADE	150	141	ROOSEVELT	27	-
CHOUTEAU	2	-	ROSEBUD	17	-
CUSTER	19	-	SANDERS	13	-
DANIELS	-	-	SHERIDAN	2	-
DAWSON	4	-	SILVER BOW	65	-
DEER LODGE	16	-	STILLWATER	11	-
FALLON	2	-	SWEET GRASS	8	-
FERGUS	6	-	TETON	2	-
FLATHEAD	186	276	TOOLE	3	-
GALLATIN	188	-	TREASURE	1	-
GARFIELD	2	-	VALLEY	6	-
GLACIER	43	-	WHEATLAND	3	-
GOLDEN VALLEY	-	-	WIBAUX	-	-
GRANITE	3	-	YELLOWSTONE	366	763
HILL	22	-	NOT STATED	14	-
JEFFERSON	14	-			
JUDITH BASIN	-	-	TOTAL, MONTANA	1,981	2,155
LAKE	60	-			
LEWIS & CLARK	119	179	OUT OF STATE		
LIBERTY	-	-	RESIDENTS		
LINCOLN	17	-	IDAHO	20	NA
MCCONE	-	-	NORTH DAKOTA	8	NA
MADISON	8	-	SOUTH DAKOTA	9	NA
MEAGHER	1	-	WYOMING	124	NA
MINERAL	13	-	OTHER STATES	10	NA
MISSOULA	396	796			
MUSSELSHELL	4	-	CANADA	3	NA
PARK	27	-	REST OF WORLD	-	NA
PETROLEUM	1	-	NOT STATED	-	NA
PHILLIPS	3	-			
			TOTAL	2,155	NA

TABLE M-1

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA OCCURRENCES, 2005

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,964	100.0			
			JULY	1,233	17.7
JANUARY	291	4.2	AUGUST	991	14.2
FEBRUARY	314	4.5	SEPTEMBER	698	10.0
MARCH	341	4.9	OCTOBER	462	6.6
APRIL	346	5.0	NOVEMBER	311	4.5
MAY	576	8.3	DECEMBER	486	7.0
JUNE	915	13.1			
			NOT STATED	-	-

TABLE M-2

FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM MONTANA OCCURRENCES, 2005

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,964	4,495	212	2,248	9	6,964	4,507	192	2,256	9
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	470	468	-	2	-	177	177	-	-	-
20-24	2,078	1,965	1	111	1	1,620	1,567	-	52	1
25-29	1,569	1,264	4	300	1	1,721	1,520	-	200	1
30-34	826	473	13	340	-	975	683	3	287	2
35-39	551	175	18	357	1	610	288	4	318	-
40-44	455	76	16	360	3	558	145	16	395	2
45-49	411	38	22	351	-	435	71	20	344	-
50-54	263	22	24	217	-	344	37	21	285	1
55-59	166	8	34	123	1	239	12	23	203	1
60-64	88	2	28	58	-	139	2	29	108	-
65-69	46	4	23	19	-	71	2	24	45	-
70-74	23	-	17	6	-	37	1	23	13	-
75 AND OVER	16	-	12	4	-	38	2	29	6	1
NOT STATED	2	-	-	-	2	-	-	-	-	-

TABLE M-3

FREQUENCY OF FIRST MARRIAGE FOR BOTH BRIDE AND GROOM BY AGE OF BRIDE AND AGE OF GROOM MONTANA OCCURRENCES, 2005

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,769	441	1,786	1,053	337	99	34	11	6	2	-
15-19	170	125	42	3	-	-	-	-	-	-	-
20-24	1,459	279	1,035	132	12	1	-	-	-	-	-
25-29	1,289	33	574	581	95	6	-	-	-	-	-
30-34	550	2	99	269	148	28	3	-	1	-	-
35-39	191	1	28	57	63	37	4	1	-	-	-
40-44	70	1	7	9	16	16	15	5	1	-	-
45-49	25	-	1	1	3	7	10	1	1	1	-
50-54	9	-	-	-	-	4	1	1	2	1	-
55 AND OVER	6	-	-	1	-	-	1	3	1	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE M-4

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1995 - 2005

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	26	25
2000	27	23	23	29	26	25
2001	27	23	23	29	25	25
2002	27	23	23	29	26	25
2003	27	24	23	30	26	25
2004	27	24	23	29	26	25
2005	27	24	23	29	26	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE R-1

Montana Department of Public Health and Human Services
Communicable Disease Program

2005 Communicable Disease Summary

Reporting County [1]	CAMPYLOBACTER	DIPTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS	INFLUENZA B	HEPATITIS A	HEP B ACUTE	HEP B CHRONIC [4]	HEP C ACUTE	HEP C CHRONIC [2]	LEGIONELLA	MEASLES	MENINGO INF	MUMPS	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	1/70
Big Horn	2	-	-	-	-	-	-	-	2	-	23	-	-	-	-	4	-	2	-	-	
Blaine	1	-	-	-	-	-	-	-	-	-	7	-	-	-	-	8	-	1	-	1	2/135
Broadwater	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
Carbon	1	-	-	-	-	-	-	-	-	-	3	1	-	-	-	8	-	1	-	-	
Carter	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Cascade	7	-	5	5	-	1	2	4	-	89	-	-	-	-	33	-	8	-	-	3/132	
Chouteau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-		
Custer	-	-	-	-	-	-	-	1	2	-	18	-	-	-	-	-	-	-	-		
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Dawson	-	-	-	1	-	-	-	-	1	-	7	-	-	-	-	1	-	1	-		
Deer Lodge	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-		
Fallon	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	1/10	
Fergus	1	-	-	1	-	-	-	-	1	-	7	-	-	-	-	-	-	1	-	1/22	
Flathead	14	-	-	6	-	-	-	1	4	-	61	-	-	-	-	9	-	8	-	2	1/75
Gallatin	10	-	6	11	-	-	1	1	6	-	68	-	-	-	-	58	-	8	-	-	
Garfield	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Glacier	2	-	-	-	-	-	1	-	-	-	10	-	-	-	-	15	-	1	-	1	
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Granite	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	8	-	-	-	-	
Hill	4	-	-	-	-	-	-	-	1	-	29	-	-	-	-	29	-	4	-	1	1/30
Jefferson	2	-	2	3	-	-	-	-	-	-	4	-	-	-	-	20	-	1	-	-	
Judith Basin	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	
Lake	1	-	-	5	-	-	-	-	-	-	25	-	-	-	-	4	-	7	-	1	
Lewis & Clark	7	-	2	2	-	-	-	1	3	-	74	-	-	-	-	169	-	7	1	-	1/1
Liberty	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lincoln	-	-	-	4	-	-	1	-	1	-	28	1	-	-	-	4	-	1	-	-	
Madison	2	-	1	1	-	-	-	1	-	-	3	-	-	-	-	3	-	2	-	-	
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meagher	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	
Mineral	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Missoula	14	-	2	15	-	-	4	1	10	-	84	1	-	-	-	5	-	61	3	-	2/57
Musselshell	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	8	-	-	-	-	
Park	2	-	-	-	-	-	1	-	-	-	14	-	-	-	-	2	-	-	-	1	
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Phillips	1	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	
Pondera	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	1/5
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
Powell	2	-	-	-	-	-	-	-	-	-	4	-	-	-	-	3	-	1	1	-	
Prairie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ravalli	10	-	2	7	-	-	1	-	1	1	20	-	-	-	-	5	-	4	-	-	
Richland	-	-	-	1	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	
Roosevelt	1	-	-	3	-	-	-	-	-	-	15	-	-	-	-	2	-	1	-	-	
Rosebud	1	-	-	2	-	-	-	-	-	-	17	-	-	-	-	3	-	-	-	1	
Sanders	-	-	-	2	-	-	-	-	-	-	13	-	-	-	1	-	-	2	-	-	2/156
Sheridan	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	3	-	-	-	-	
Silver Bow	3	-	-	2	-	-	-	-	-	-	53	-	-	-	-	3	-	5	-	1	
Stillwater	2	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	
Sweet Grass	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Teton	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	10	-	2	-	-	
Toole	-	-	1	-	-	-	-	-	1	-	3	-	-	-	-	2	-	-	-	-	
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Valley	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	3	-	-	
Wheatland	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yellowstone	8	-	1	5	-	-	2	9	-	191	1	-	-	-	148	-	12	-	1		
2005Total	108	0	23	81	0	10	10	48	1	899	6	0	0	1	586	1	149	6	10	16/693	
2004Total	143	0	32	72	0	8	14	na	2	ns	3	0	3	0	84	3	186	4	15	19/569	
2003Total	132	0	28	115	0	8	16	na	4	na	4	0	8	0	5	1	112	2	7	12/398	

[1] "Reporting county" reflects county of residence whenever possible.
[4] Chronic Hepatitis B and C numbers reflect those cases entered into the DPHHS Hepatitis Registry during 2005.

Note: The above disease totals reflect the cumulative number of reports received by DPHHS January 1 through December 31, 2005. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data is subject to corrections.

TABLE R-2

SEXUALLY TRANSMITTED DISEASES BY COUNTY
2005 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	1	11	-	-
Big Horn	1	126	16	-
Blaine	-	32	1	-
Broadwater	-	-	-	-
Carbon	2	11	1	-
Carter	-	-	-	-
Cascade	5	298	32	-
Chouteau	-	3	-	-
Custer	-	18	2	-
Daniels	-	3	-	-
Dawson	1	8	2	-
Deer Lodge	2	24	-	-
Fallon	-	-	-	-
Fergus	-	15	1	-
Flathead	1	141	8	-
Gallatin	3	192	8	-
Garfield	-	-	-	-
Glacier	-	145	2	-
Golden Valley	-	-	-	-
Granite	1	0	1	-
Hill	-	76	5	-
Jefferson	2	15	1	-
Judith Basin	-	1	-	-
Lake	5	129	4	-
Lewis & Clark	5	116	3	-
Liberty	-	1	-	-
Lincoln	1	17	-	-
Madison	1	2	1	1
McCone	-	1	-	-
Meagher	-	-	-	-
Mineral	2	4	-	-
Missoula	25	246	11	-
Musselshell	-	5	-	-
Park	-	21	4	-
Petroleum	-	-	-	-
Phillips	-	3	-	-
Pondera	-	6	-	-
Powder River	-	-	-	-
Powell	-	7	-	-
Prairie	-	-	-	-
Ravalli	5	45	-	1
Richland	-	30	-	-
Roosevelt	-	90	-	-
Rosebud	1	59	7	1
Sanders	-	26	1	-
Sheridan	-	1	-	-
Silver Bow	7	67	3	-
Stillwater	-	7	2	-
Sweet Grass	-	1	-	-
Teton	-	3	-	-
Toole	-	2	2	1
Treasure	-	1	-	-
Valley	-	15	1	-
Wheatland	-	-	-	-
Wibaux	-	-	-	-
Yellowstone	20	378	39	3
Other/Out of State	-	-	-	-
2005 Total	91	2402	158	7
2004Total	21	2617	89	4
2003 Total	29	2525	119	0

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2005.

TABLE R-3

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
OTHER DISEASES OF INTEREST: 2005 SUMMARY

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County	AMEBIASIS	ABSCESS	BACTERIAL MENINGITIS	BRUCELLOSIS	BOTULISM	CAMPYLOBACTER	CHLAMYDIA	COCCIDIOIDOMYCOSIS	CRYPTOSPORIDIOSIS	ENCEPHALITIS	HEPATITIS A	HEPATITIS B	HEPATITIS C	HIV/AIDS	LEGIONELLOSIS	MALARIA	MEASLES	MUMPS	PERTUSSIS	RABIES	ROCKY MTN SPOTTED FEVER	TULAREMIA	WEST NILE	YERSINIOSIS
Beaverhead	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Big Horn	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Carbon	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	-	-	3	-	2	-	-	-	-	-	1	-	1	-	-	-	1	-	2	-	-	-	-
Chouteau	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	10	-
Daniels	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Dawson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Fergus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flathead	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Gallatin	-	1	3	-	1	-	-	-	-	0	-	-	-	-	-	-	-	-	1	-	-	-	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Glacier	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Jefferson	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewis & Clark	-	-	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Lincoln	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Missoula	-	-	1	4	-	-	-	1	-	1	-	-	-	-	-	-	-	-	3	-	-	-	-
Musselshell	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Phillips	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Powell	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Roosevelt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Rosebud	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-
Sanders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Sheridan	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Silver Bow	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Yellowstone	-	12	3	-	2	-	-	-	-	6	-	1	-	-	-	-	-	1	-	-	-	6	-
2005 Total	1	37	17	3	1	1	0	22	1	3	1	1	18	3	1	3	38		1				
2004 Total	1	30	13	no	1	2	3	34	0	6	3	2	30	4	0	3	8		1				
2003 Total	0	20	12	no	0	1	1	18	0	0	3	1	23	0	0	0	229		0				

STATEWIDE REPORTS:

Conditions which are reported at the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT:

15 (2.9%) of the 520 specimens submitted during 2005 tested positive for the rabies virus.

Cascade:	3 Bat	Flathead:	4 Bats	Ravalli:	1 Bat
Custer:	1 Bat	Gallatin:	1 Bat	Sanders:	1 Bat
Daniels:	1 Skunk	Mineral:	1 Bat		
Dawson:	1 Bat	Missoula:	3 Bats		

FOODBORNE/WATERBORNE OUTBREAKS. The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scombroid) should be considered an outbreak and reported.

OUTBREAK/EVENTS OF INTEREST:

Beaverhead Co. — Reported a community gastroenteritis outbreak that appears to be primarily person to person spread. Approximately, 70 cases have been identified with a few clusters in institutional settings. Local tests for bacterial pathogens were negative and the illness and recovery are consistent with a Norwalk-like agent

Blaine Co.
- January: A gastroenteritis outbreak sickened approximately 35 individuals associated with a wrestling tourny in Blaine Co. Individuals ill were residents of several counties. Norovirus suspected.
- October: An outbreak ill gastroenteritis with diarrhea and cramping sickened an estimated 100 of 225 exposed during a sports related potluck. No medical care was sought. A local investigation identified food handling issues and Clostridium perfringens is suspected given the results of the investigation.

Cascade Co.
- January: A gastroenteritis outbreak in a nursing home resulted in approximately 112 residents are ivn with gastroenteritis.
- September: A cluster of upset stomachs (vomiting, no diarhea) was reported in daycare center, appx 14 of 40 were ill during 3 day period.
- October: Approximately 2 individuals are reported ill after ingestion of inundated subs. No human specimens were tested and all recovered after a GI illness.

Fergus Co.
- January: A gastroenteritis outbreak in a nursing home sickened approximately 10 staff and 13 residents with astroenteritis. No causative agent was found in samples submitted.

Flathead Co.
- February: A suspected norovirus outbreak in a long term care facility sickened 30 staff and 45 residents. No causative agent identified

Fallon Co.
- February: A gastroenteritis outbreak in a long term care facility sickened 8 staff and 7 residents. No causative agent identified

Hill Co.
- August: A cluster of illnesses following a family functions sickened approximately 30 individuals with upset stomach and vomiting. No suspect agent or food item at the potluck was implicated. Staph poisoning was suspected as cause of the outbreak.

Lewis & Clark Co. — A rare case of intestinal (formerly infant) botulism was confirmed after isolation of the organism from stool. No source determined.

Missoula & Flathead Co.
- An outbreak of a acute short-lived respiratory condition affected 10 individuals staying in a local motel at present, the hot tub appears to be the only common exposure. Exposure to Legionella is suspected. Clinical testing for Pontiac Fever (the less severe syndrome caused by exposure to Legionella) is problematic and has been unsuccessful in this case.
- A cluster of salmonella cases associated with a local restaurant was identified and investigated. Appx. 47 cases have been identified and appx 30 are lab confirmed, establishment has reopened and surveillance for cases will be conducted. No specific source of the illness was pinpointed during the investigation.

Powders Co.
- October: A cluster of gastroenteritis involving nausea and vomiting was reported at sicken 5 of 15 children attending a party. No causative agent or food identified.

Sanders Co.
- April: An outbreak of gastroenteritis at a local school sickened approximately 130 students and staff. The illness was consistent with a viral agent, however, no specimens were collected.
- A smaller GI outbreak at a local nursing home sickened 8 of 27 residents. bacterial testing was performed and negative. Both instances are consistent with a Norwalk-like agent.

TABLE C-1
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 1996-2005 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2006
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	24,560	22,666	47,226
Buccal Cavity and Pharynx	706	276	982
Lip	152	30	182
Tongue	154	71	225
Major Salivary gland	68	42	110
Floor of Mouth	37	16	53
Gum & Other Mouth	62	51	113
Nasopharynx	25	11	36
Tonsil	115	26	141
Oropharynx	31	8	39
Hypopharynx	44	13	57
Pharynx	18	8	26
Digestive System	4,328	3,549	7,877
Esophagus	356	90	446
Stomach	404	215	619
Small Intestine	92	68	160
Colon	1,740	1,783	3,523
Rectum & Rectosigmoid	833	524	1,357
Anus & Anocanal	48	69	117
Liver	207	126	333
Gallbladder	30	61	91
Other Biliary	69	65	134
Pancreas	514	465	979
Retroperitoneum	13	18	31
Peritoneum	5	51	56
Other Digestive Organs	17	14	31
Respiratory System	3,927	3,059	6,986
Nasal Cavity & Sinuses	36	28	64
Larynx	284	83	367
Lung & Bronchus	3,593	2,940	6,533
Trachea & Pleura	14	8	22
Bones & Joints	52	43	95
Soft Tissue	120	123	243
Melanoma	783	598	1,381
Breast	36	7,922	7,958
Eye	52	33	85
Female Genital System	---	2,524	2,524
Cervix	---	373	373
Uterus	---	1,193	1,193
Ovary	---	793	793
Vagina	---	30	30
Vulva	---	112	112
Other Female Genital Organs	---	23	23
Male Genital System	8,288	---	8,288
Prostate	7,965	---	7,965
Testis	270	---	270
Penis	45	---	45
Other Male Genital Organs	8	---	8
Urinary System	2,508	968	3,476
Bladder	1,743	522	2,265
Kidney & Renal Pelvis	712	418	1,130
Ureter	42	21	63
Other Urinary Organs	11	7	18
Brain & Other Nervous System	440	392	832
Brain	387	316	703
Other Nervous System	53	76	129
Endocrine System	264	722	986
Thyroid Gland	211	660	871
Other Endocrine	53	62	115
Lymphoma*	1,152	935	2,087
Hodgkin Disease	142	111	253
Non-Hodgkin Lymphoma	1,010	824	1,834
Multiple Myeloma	301	221	522
Leukemia	714	527	1,241
Acute Lymphocytic	50	57	107
Chronic Lymphocytic	263	171	434
Acute Myeloid	196	167	363
Chronic Myeloid	102	61	163
Other Leukemia	103	71	174
Unknown and Ill-defined Sites	889	774	1,663

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1996-2005 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2006
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																							
AGE AT	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
DIAGNOSIS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	—	-	-	-	-	-	-	-	-	1	-	—	-	2	2	—	-	-	1	55	58	58	61
5-9	-	—	-	-	-	-	-	-	-	-	-	-	—	-	5	1	—	1	-	-	40	26	45	28
10-14	-	—	-	1	-	1	-	-	-	-	-	-	—	-	14	12	—	1	-	-	34	29	48	44
15-19	-	—	-	-	2	1	1	1	-	2	-	1	—	-	16	19	—	3	-	-	65	60	84	87
20-24	-	—	-	1	-	1	1	2	1	-	1	-	—	2	27	19	—	9	-	-	81	75	111	109
25-29	-	—	-	17	1	2	4	2	2	1	2	1	—	2	24	17	—	4	-	1	103	131	136	178
30-34	1	—	-	72	5	1	7	8	-	5	1	1	—	6	28	20	—	11	-	1	139	180	181	305
35-39	-	—	-	224	9	10	15	11	9	6	13	1	—	19	36	18	—	19	3	-	192	238	277	546
40-44	28	—	1	514	24	42	26	25	24	17	22	6	—	45	49	29	—	27	5	4	267	340	446	1,049
45-49	139	—	1	824	81	67	44	48	43	26	45	20	—	61	71	47	—	73	17	13	412	367	853	1,546
50-54	463	—	3	982	171	124	98	68	69	39	65	22	—	127	78	57	—	92	36	29	591	402	1,574	1,942
55-59	865	—	3	926	266	230	109	113	82	44	130	38	—	151	99	70	—	75	47	22	639	425	2,240	2,094
60-64	1,214	—	4	821	431	359	181	139	118	52	185	54	—	168	104	95	—	81	60	50	684	415	2,981	2,234
65-69	1,546	—	7	906	561	474	249	215	117	70	240	64	—	164	119	87	—	91	72	61	822	506	3,733	2,638
70-74	1,553	—	5	844	716	553	285	259	136	74	292	78	—	148	138	117	—	79	77	59	882	554	4,084	2,765
75-79	1,128	—	6	764	685	522	294	276	97	69	302	86	—	128	152	127	—	85	78	66	865	604	3,607	2,727
80-84	590	—	3	588	391	336	245	291	88	62	254	73	—	88	117	104	—	78	73	72	625	565	2,386	2,257
85+	438	—	3	438	250	217	181	325	47	57	190	77	—	84	73	94	—	64	46	86	494	608	1,722	2,050
TOTAL	7,965	—	36	7,922	3,593	2,940	1,740	1,783	833	524	1,743	522	—	1,193	1,152	935	—	793	514	465	6,990	5,583	24,566	22,660

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e g , lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1996-2005 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2006
MONTANA CENTRAL TUMOR REGISTRY

COUNTY OF RESIDENCE	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	86	—	-	87	32	34	20	17	8	2	20	4	—	14	10	13	—	8	7	5	63	61	246	245
Big Horn	73	—	-	78	46	29	16	14	9	6	24	4	—	7	10	9	—	8	4	7	72	69	254	231
Blaine	68	—	-	55	20	26	13	9	7	4	11	3	—	11	5	7	—	5	7	2	39	32	170	154
Broadwater	45	—	1	46	28	23	9	8	4	4	11	4	—	9	8	6	—	5	4	2	34	22	144	129
Carbon	115	—	-	67	42	33	19	20	13	13	17	9	—	12	17	14	—	16	5	5	93	67	321	256
Carter	17	—	-	11	4	3	6	4	2	-	1	2	—	3	3	-	—	1	-	1	6	5	39	30
Cascade	779	—	4	822	354	298	149	167	75	51	149	40	—	139	90	87	—	64	35	40	608	521	2,243	2,229
Chouteau	59	—	-	69	19	18	15	21	9	7	12	5	—	10	8	6	—	8	6	1	48	32	176	177
Custer	121	—	-	108	69	61	42	42	19	5	27	9	—	23	18	13	—	12	9	14	113	90	418	377
Daniels	19	—	-	17	13	11	6	5	5	3	2	1	—	3	4	2	—	2	2	-	18	15	69	59
Dawson	90	—	2	79	47	36	23	27	14	6	25	8	—	15	12	10	—	8	4	4	83	66	300	259
Deer Lodge	119	—	1	82	56	40	20	31	13	5	21	6	—	13	16	13	—	7	5	3	89	65	340	265
Fallon	34	—	-	19	13	10	4	8	6	2	8	3	—	6	3	3	—	-	-	1	24	19	92	71
Fergus	165	—	-	124	62	58	33	35	16	22	32	8	—	27	24	23	—	19	11	13	139	94	482	423
Flathead	689	—	1	754	277	237	145	150	65	38	138	39	—	107	100	80	—	79	63	44	540	460	2,018	1,988
Gallatin	343	—	3	487	128	108	60	88	39	23	89	32	—	66	60	43	—	48	29	19	357	326	1,108	1,240
Garfield	14	—	-	12	3	2	5	2	1	-	3	-	—	1	2	4	—	1	1	2	13	8	42	32
Glacier	63	—	-	95	45	37	28	20	15	3	9	1	—	13	10	15	—	-	4	3	65	73	239	260
Golden Valley	15	—	-	9	8	6	3	1	2	-	8	-	—	4	-	3	—	3	-	-	13	5	49	31
Granite	31	—	-	22	11	9	3	7	2	-	7	1	—	2	6	1	—	5	2	2	30	11	92	60
Hill	157	—	2	134	60	63	50	30	13	11	27	11	—	24	12	13	—	14	10	7	118	102	449	409
Jefferson	76	—	-	74	44	21	18	12	11	4	20	5	—	10	11	8	—	13	3	7	73	44	256	198
Judith Basin	39	—	-	16	13	7	6	4	3	1	3	1	—	4	2	2	—	1	1	1	23	14	90	51
Lake	209	—	-	197	117	75	55	52	32	12	42	17	—	39	40	19	—	24	19	12	222	141	736	588
Lewis & Clark	438	—	2	531	199	191	91	96	44	42	95	36	—	76	75	64	—	50	24	29	420	325	1,388	1,440
Liberty	30	—	-	22	4	9	5	7	1	-	2	3	—	6	3	2	—	1	-	3	24	19	69	72
Lincoln	181	—	2	210	120	80	36	48	18	10	60	12	—	27	31	23	—	23	13	3	154	117	615	553
McCone	19	—	-	16	3	2	7	6	4	1	4	2	—	3	6	2	—	-	3	2	14	9	60	43
Madison	71	—	1	69	25	17	9	10	8	3	18	6	—	9	5	9	—	6	1	5	56	41	194	175
Meagher	20	—	-	12	12	13	4	3	7	1	7	1	—	3	4	1	—	-	1	2	19	9	74	45
Mineral	35	—	-	28	32	17	5	5	5	1	11	5	—	4	4	1	—	4	6	4	39	20	137	89
Missoula	614	—	3	806	265	242	130	140	51	46	137	55	—	88	89	89	—	70	41	40	614	477	1,944	2,053
Musselshell	52	—	-	48	26	29	7	11	5	4	10	2	—	9	8	6	—	5	2	2	46	38	156	154
Park	153	—	-	147	57	59	29	34	17	10	41	9	—	20	31	15	—	24	3	11	125	117	456	446
Petroleum	4	—	-	4	1	1	1	2	1	1	1	1	—	1	-	-	—	-	2	1	1	5	11	16
Phillips	58	—	-	45	22	24	12	18	10	3	12	2	—	6	7	7	—	3	3	3	48	37	172	148
Pondera	72	—	-	56	26	24	15	8	8	5	13	2	—	10	9	16	—	5	6	6	68	54	217	186
Powder River	19	—	-	13	9	4	2	1	3	-	7	-	—	2	3	1	—	-	4	1	11	6	58	28
Powell	78	—	-	47	46	24	12	13	1	5	19	6	—	10	10	9	—	3	7	7	83	39	256	163
Prairie	24	—	-	13	8	4	6	7	1	3	7	-	—	4	4	3	—	1	1	1	19	13	70	49
Ravalli	379	—	2	309	161	98	76	82	23	23	95	20	—	39	44	34	—	35	21	19	291	233	1,092	892
Richland	43	—	-	85	62	28	17	17	15	4	12	4	—	5	13	9	—	8	5	7	72	50	239	217
Roosevelt	56	—	-	82	44	25	16	24	6	8	7	1	—	4	8	10	—	10	1	3	84	52	222	219
Rosebud	69	—	-	55	40	21	23	14	10	5	12	3	—	6	7	11	—	7	4	7	62	49	227	178
Sanders	124	—	1	101	71	39	26	22	9	6	26	6	—	13	25	14	—	10	12	6	113	71	407	288
Sheridan	35	—	1	31	25	17	13	4	7	5	12	-	—	5	6	8	—	6	3	1	32	43	134	120
Silver Bow	308	—	1	243	163	123	89	95	31	17	77	30	—	41	31	30	—	33	15	17	268	219	983	848
Stillwater	106	—	-	76	36	25	18	19	15	5	14	3	—	14	13	6	—	7	6	7	94	61	302	223
Sweet Grass	45	—	-	35	12	13	10	8	5	2	8	3	—	2	6	8	—	2	1	1	28	25	115	99
Teton	86	—	-	80	24	23	23	16	4	1	10	7	—	14	7	5	—	7	2	3	41	47	197	203
Toole	42	—	1	39	17	19	14	8	8	3	12	2	—	9	10	4	—	1	3	4	47	27	154	116
Treasure	12	—	-	8	5	5	3	2	3	1	2	1	—	1	2	3	—	1	-	1	3	7	30	30
Valley	92	—	-	76	43	31	27	22	14	4	23	2	—	21	19	10	—	10	9	6	104	69	331	251
Wheatland	35	—	-	21	5	8	7	3	5	1	4	1	—	1	1	1	—	1	-	2	25	13	82	52
Wibaux	15	—	-	4	1	3	3	3	3	1	3	-	—	2	3	-	—	1	1	-	8	7	37	21
Yellowstone	1,218	—	8	1,145	517	475	256	260	108	80	274	84	—	174	196	139	—	108	83	66	1,092	939	3,752	3,470
Unknown	6	—	-	1	1	2	-	1	-	1	2	-	—	2	1	1	—	-	-	-	2	3	12	11
TOTAL	7,965	—	36	7,922	3,593	2,940	1,740	1,783	833	524	1,743	522	—	1,193	1,152	935	—	793	514	465	6,990	5,583	24,566	22,660

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e g , lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

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